FIG. 1A

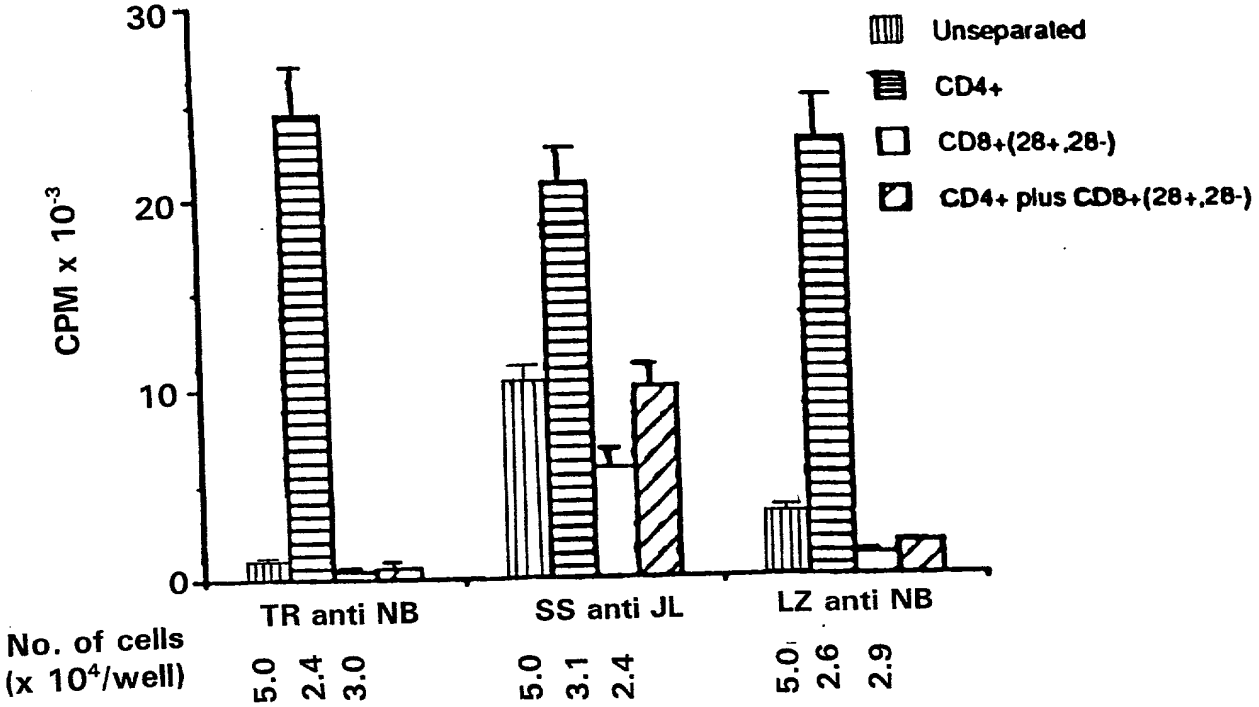

30
20
10
0
CPM x 10^{-3}
Unseparated
CD4+
CD8+(28+,28-)
CD4+ plus CD8+(28+,28-)
TR anti NB
SS anti JL
LZ anti NB
No. of cells
(x 10^4/well)
5.0 2.4 3.0
5.0 3.1 2.4
5.0 2.6 2.9

FIG. 1B

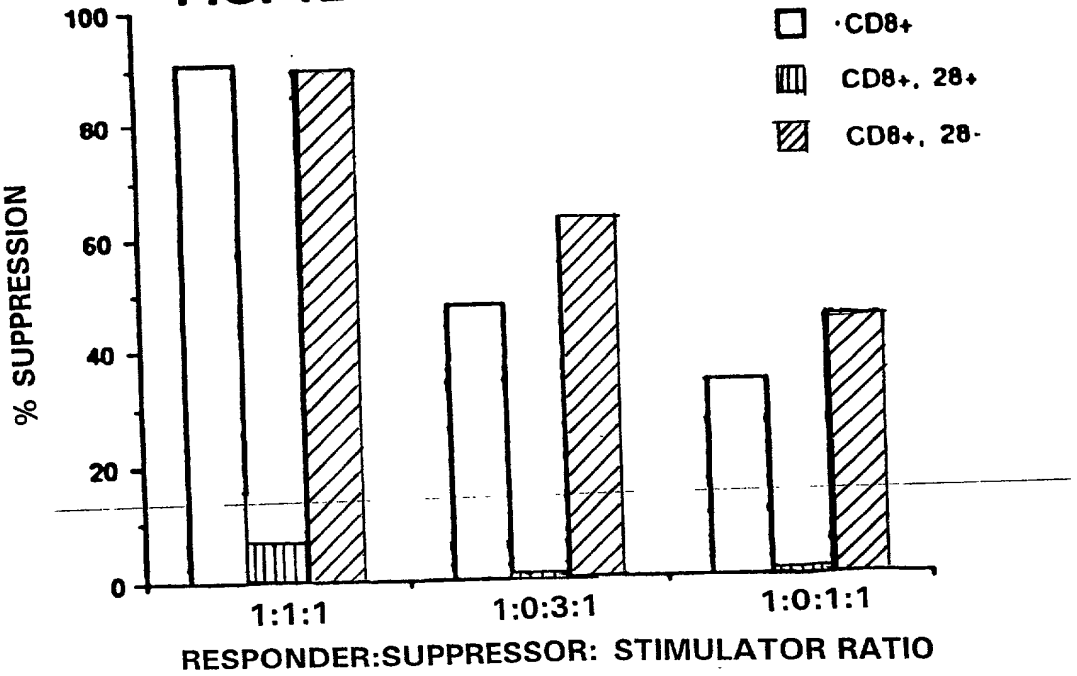

100
80
60
40
20
0
% SUPPRESSION
CD8+
CD8+, 28+
CD8+, 28-
1:1:1
1:0:3:1
1:0:1:1
RESPONDER:SUPPRESSOR: STIMULATOR RATIO

FIG. 1C

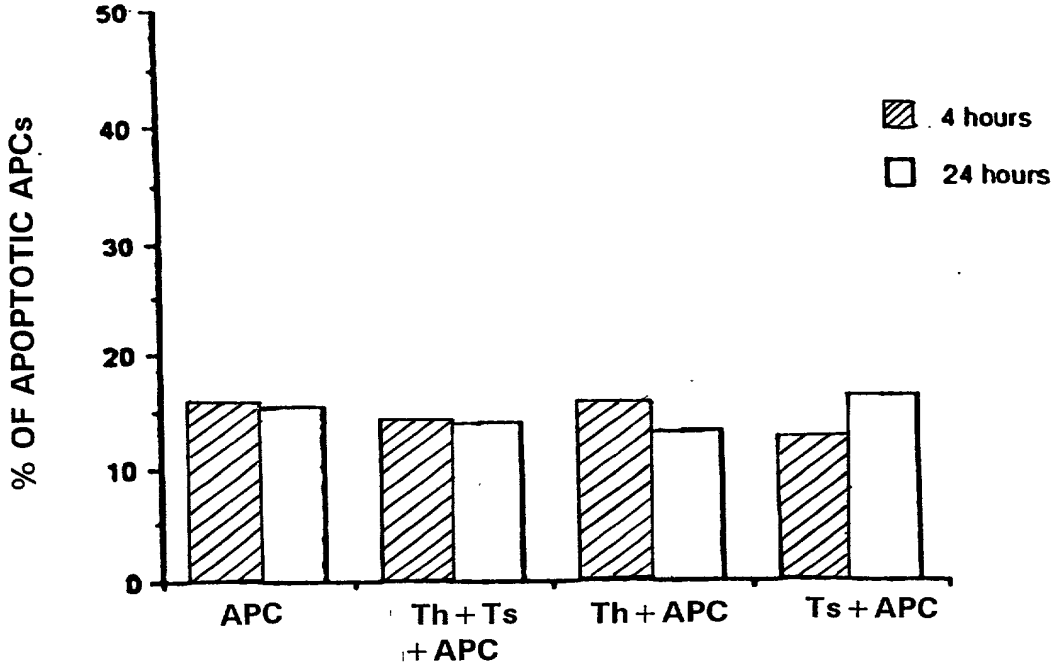

% OF APOPTOTIC APCs
50
40
30
20
10
0
4 hours
24 hours
APC
Th + Ts + APC
Th + APC
Ts + APC

FIG. 1D

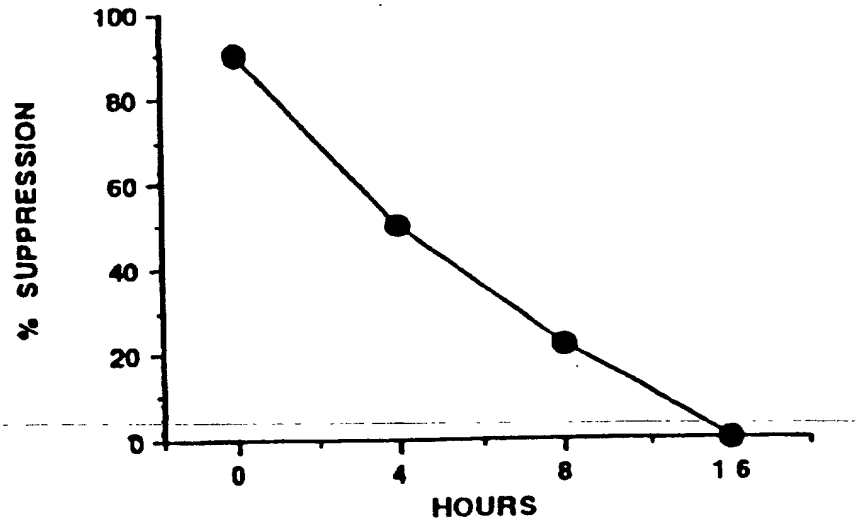

% SUPPRESSION
100
80
60
40
20
0
0
4
8
16
HOURS

FIG. 2A

A

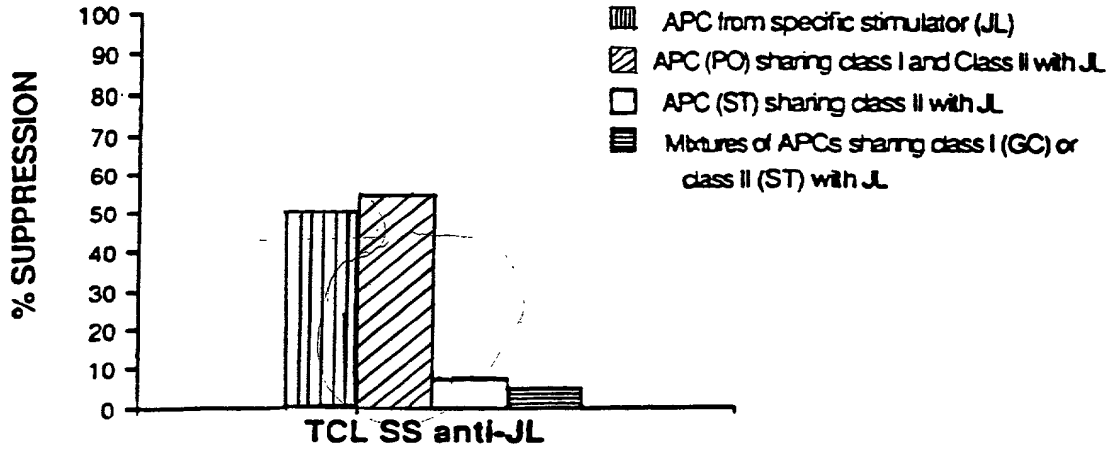


FIG. 2B

B

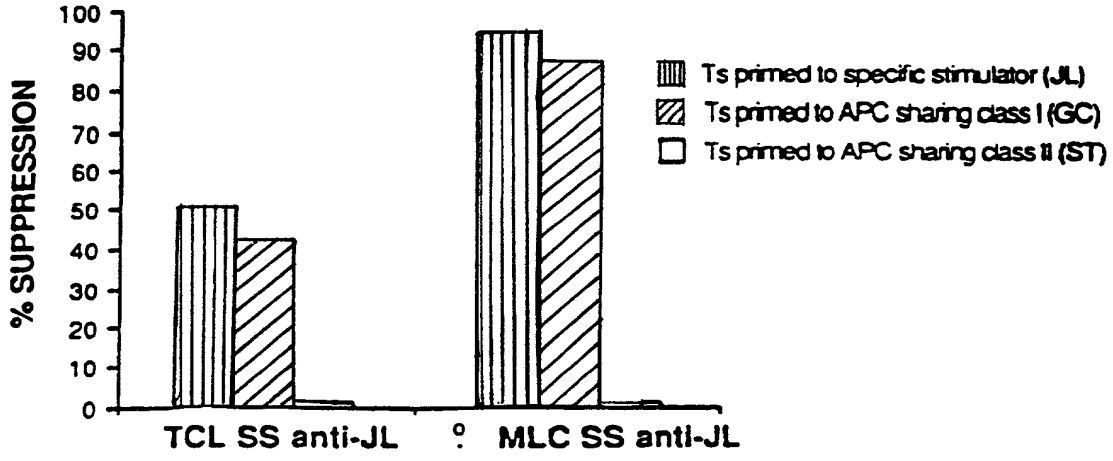


FIG. 3

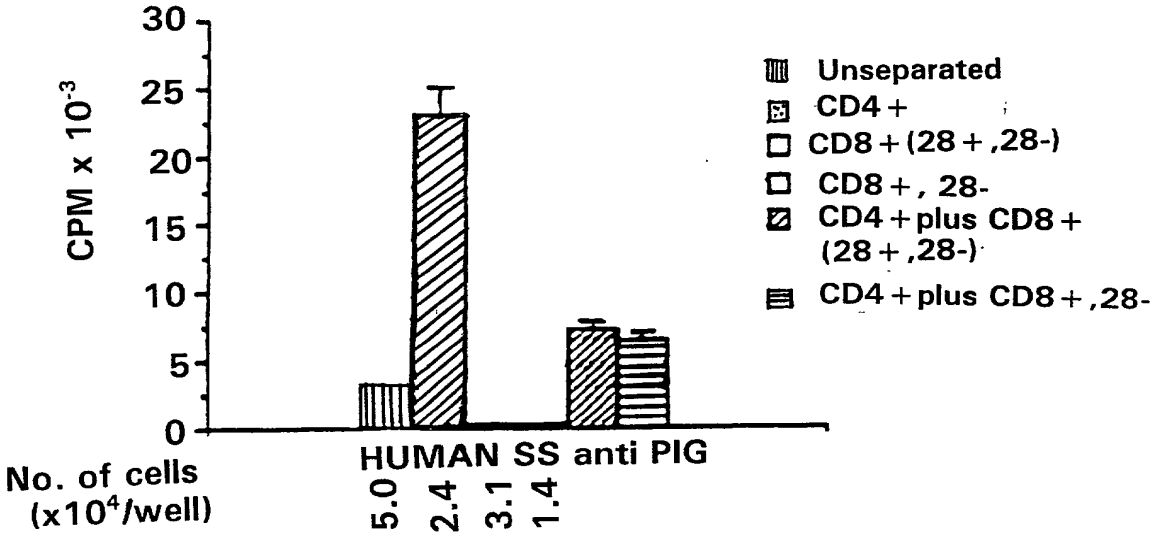
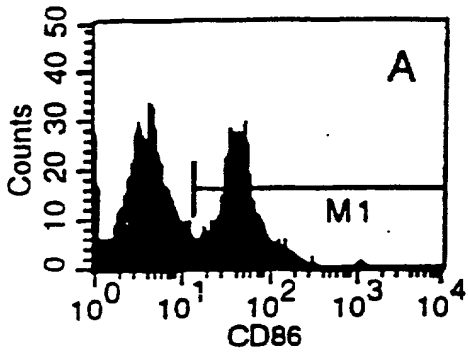
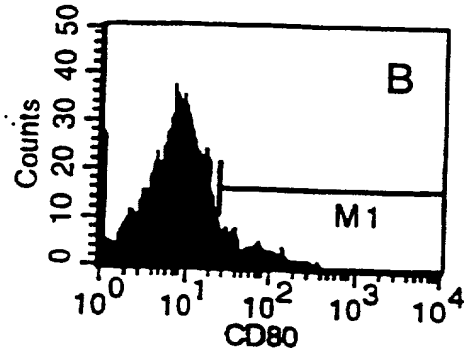

30
25
20
15
10
5
0
CPM x 10^{-3}
Unseparated
CD4+
CD8+(28+,28-)
CD8+, 28-
CD4+plus CD8+ (28+,28-)
CD4+plus CD8+,28-
HUMAN SS anti PIG
No. of cells ($x10^4$/well)
5.0
2.4
3.1
1.4

FIG. 4A



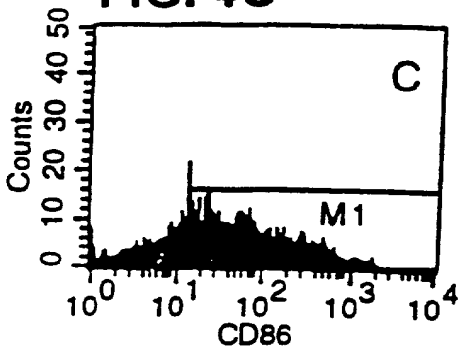
% Pos	MFI
40	47

FIG. 4B



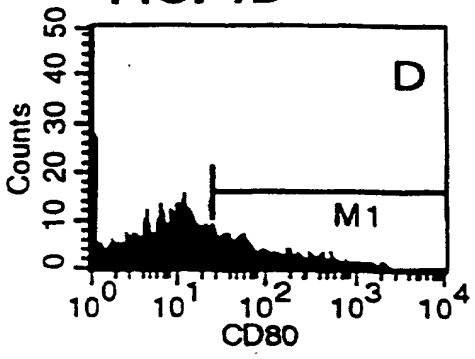
% Pos	MFI
8	59

FIG. 4C



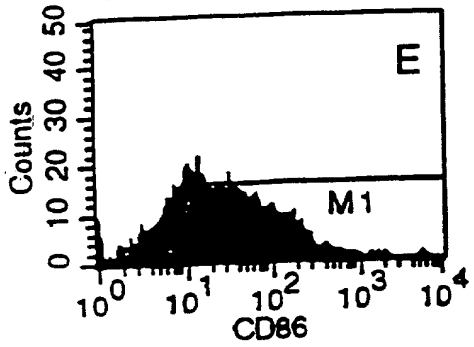
% Pos	MFI
73	123

FIG. 4D



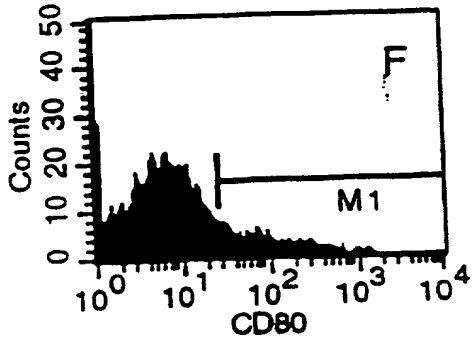
% Pos	MFI
27	144

FIG. 4E



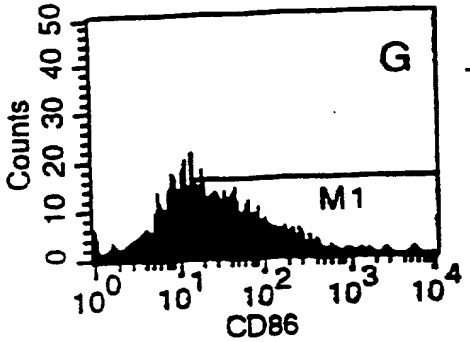
% Pos	MFI
63	78

FIG. 4F



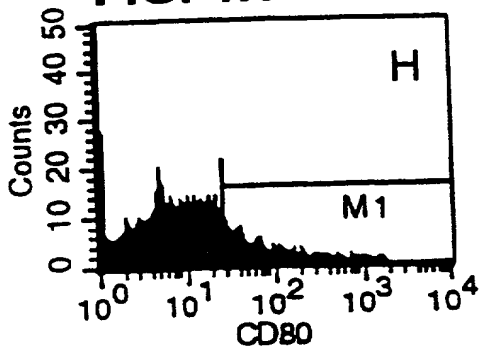
% Pos	MFI
13	128

FIG. 4G



% Pos	MFI
61	74

FIG. 4H



% Pos	MFI
17	110

FIG. 5

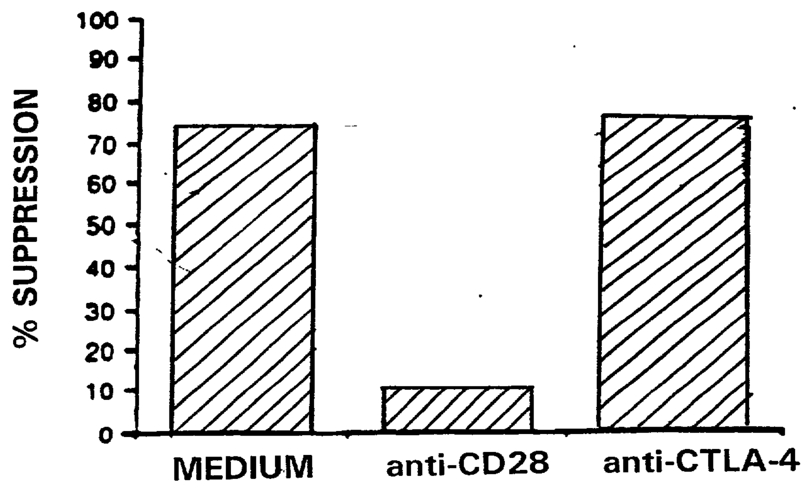


FIG. 6A

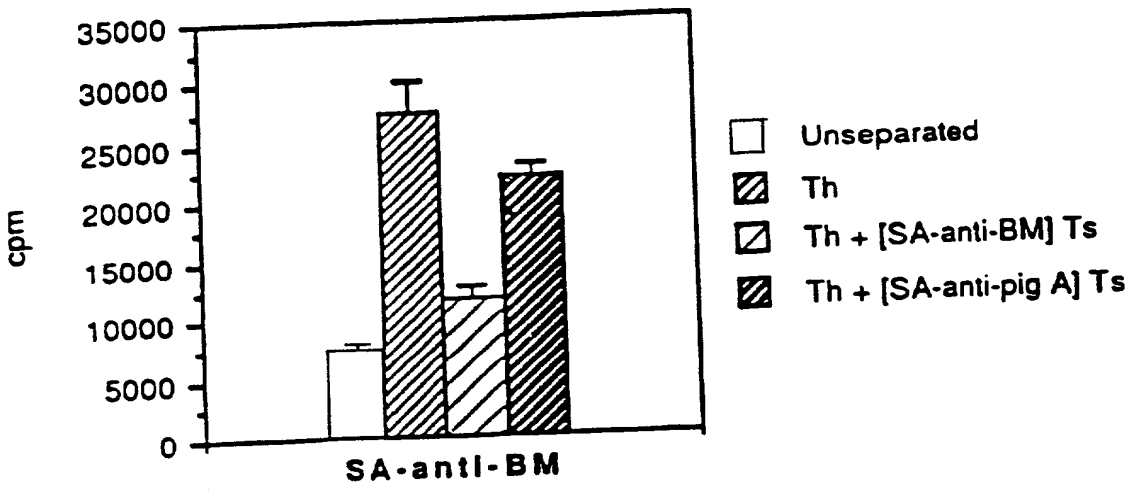

35000
30000
25000
20000
15000
10000
5000
0
cpm
SA-anti-BM
Unseparated
Th
Th + [SA-anti-BM] Ts
Th + [SA-anti-pig A] Ts

FIG. 6B

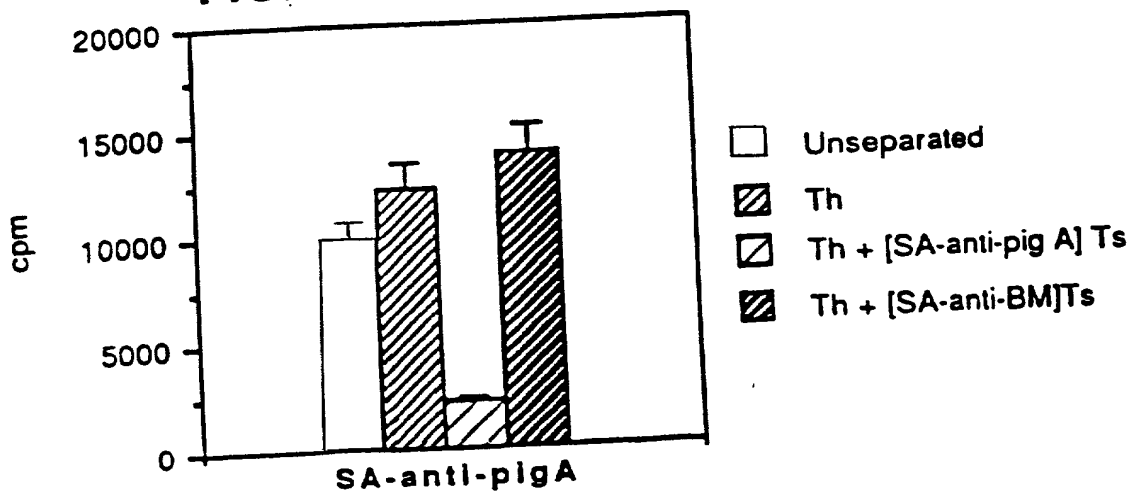

20000
15000
10000
5000
0
cpm
SA-anti-pigA
Unseparated
Th
Th + [SA-anti-pig A] Ts
Th + [SA-anti-BM]Ts

FIG. 7A

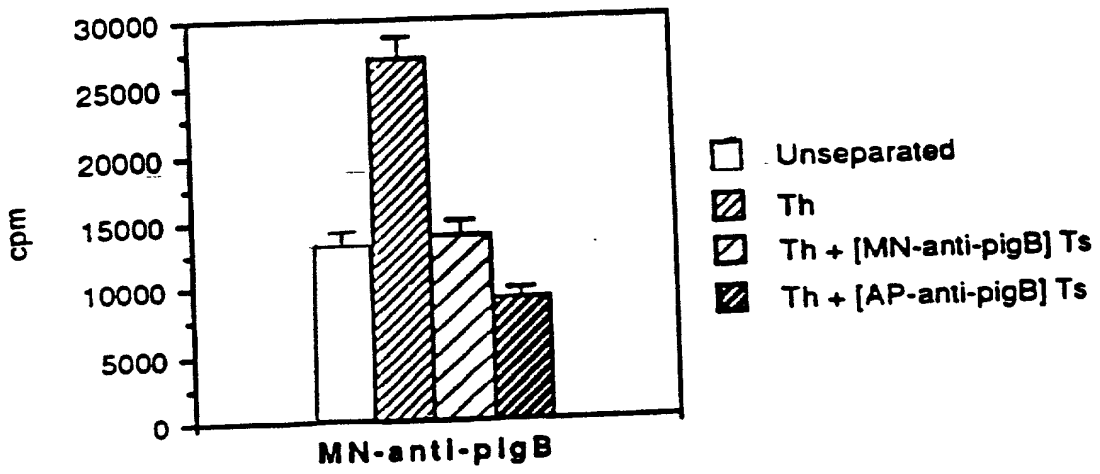

30000
25000
20000
15000
10000
5000
0
cpm
MN-anti-pigB
Unseparated
Th
Th + [MN-anti-pigB] Ts
Th + [AP-anti-pigB] Ts

FIG. 7B

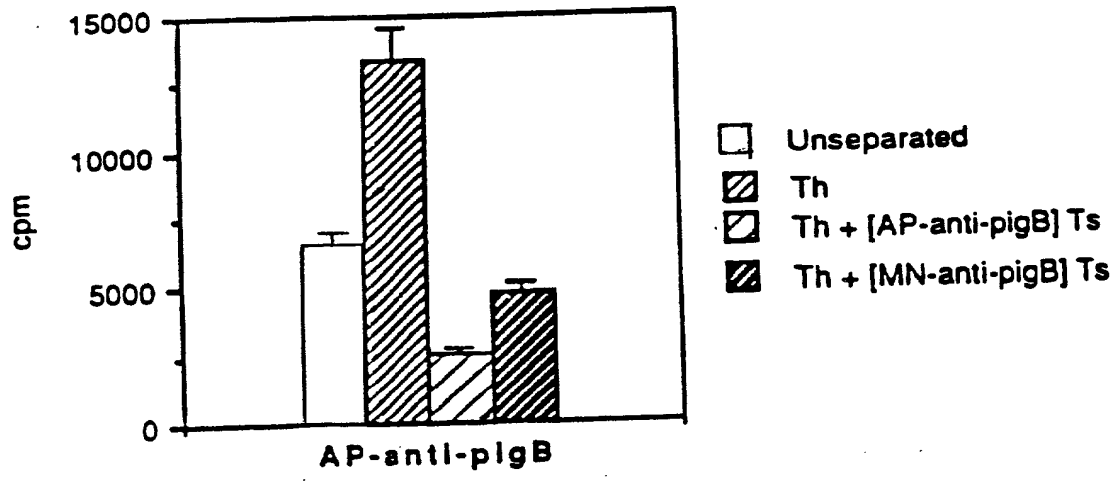

15000
10000
5000
0
cpm
AP-anti-pigB
Unseparated
Th
Th + [AP-anti-pigB] Ts
Th + [MN-anti-pigB] Ts

FIG. 8A

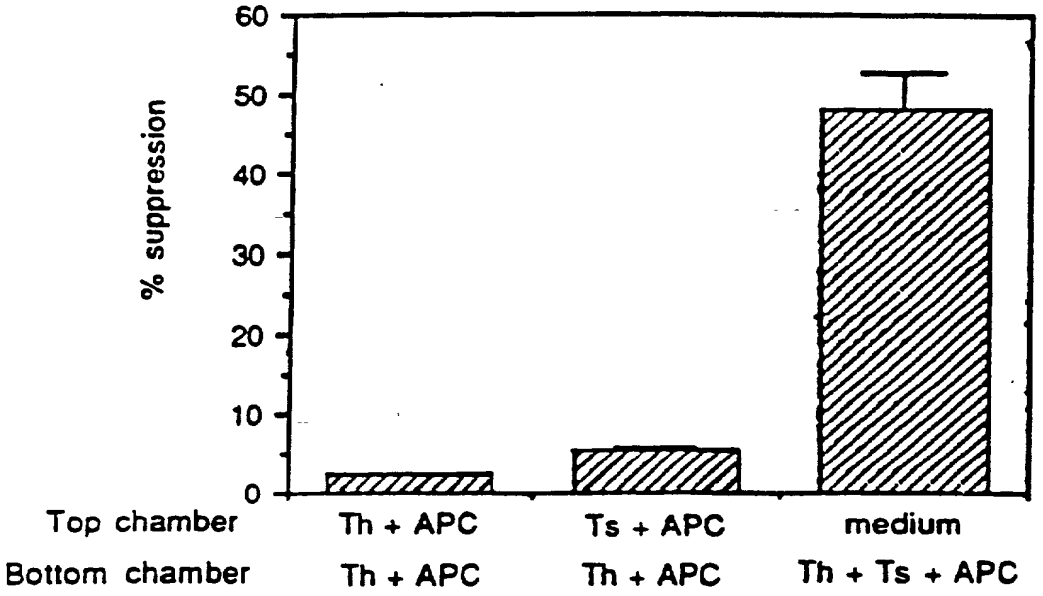
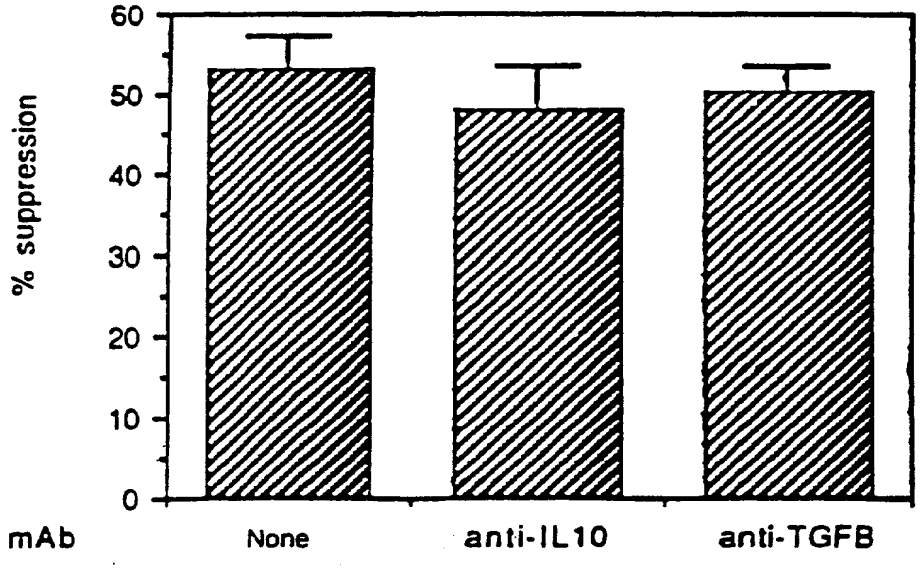

60
50
40
30
20
10
0
% suppression
Top chamber
Th + APC
Ts + APC
medium
Bottom chamber
Th + APC
Th + APC
Th + Ts + APC

FIG. 8B


60
50
40
30
20
10
0
% suppression
mAb
None
anti-IL10
anti-TGFB

T helper cells

FIG. 9A

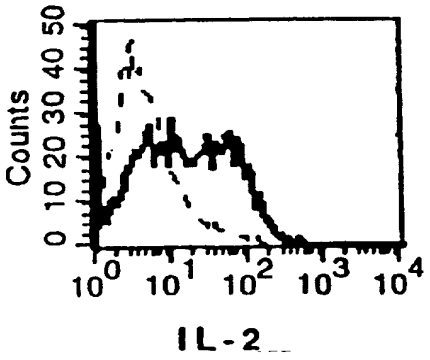


FIG. 9B

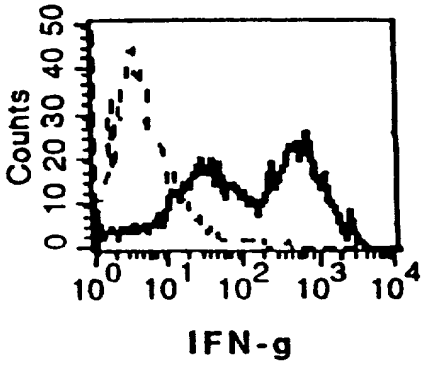


FIG. 9C

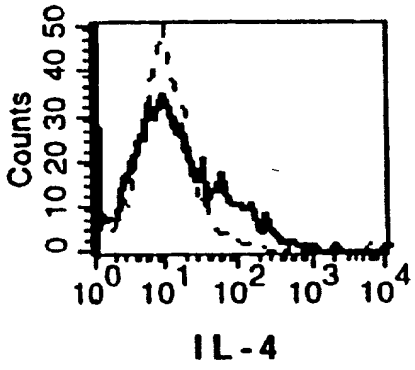
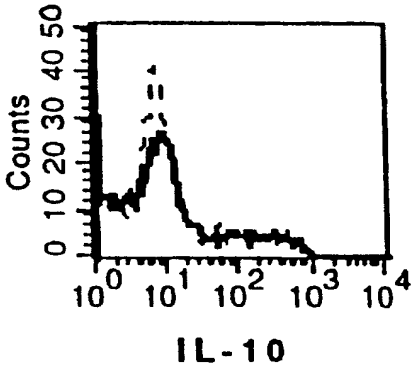


FIG. 9D



T suppressor cells

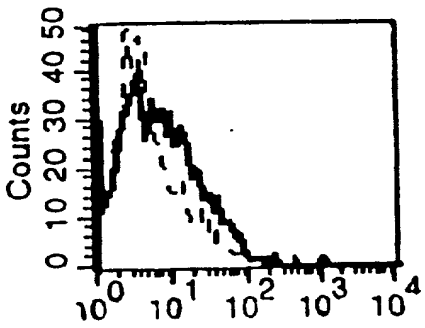


FIG. 9E

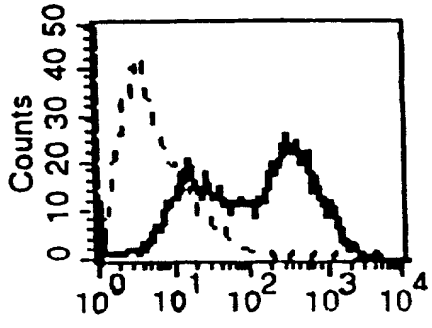


FIG. 9F

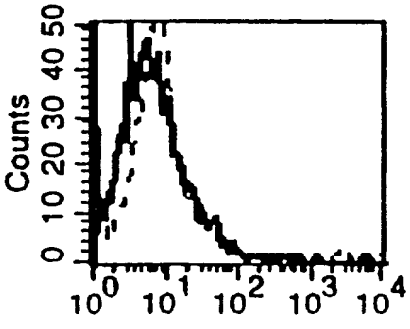


FIG. 9G

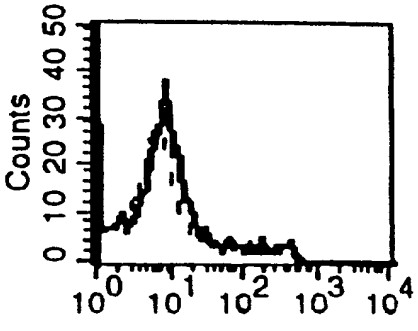


FIG. 9H

FIG. 10A

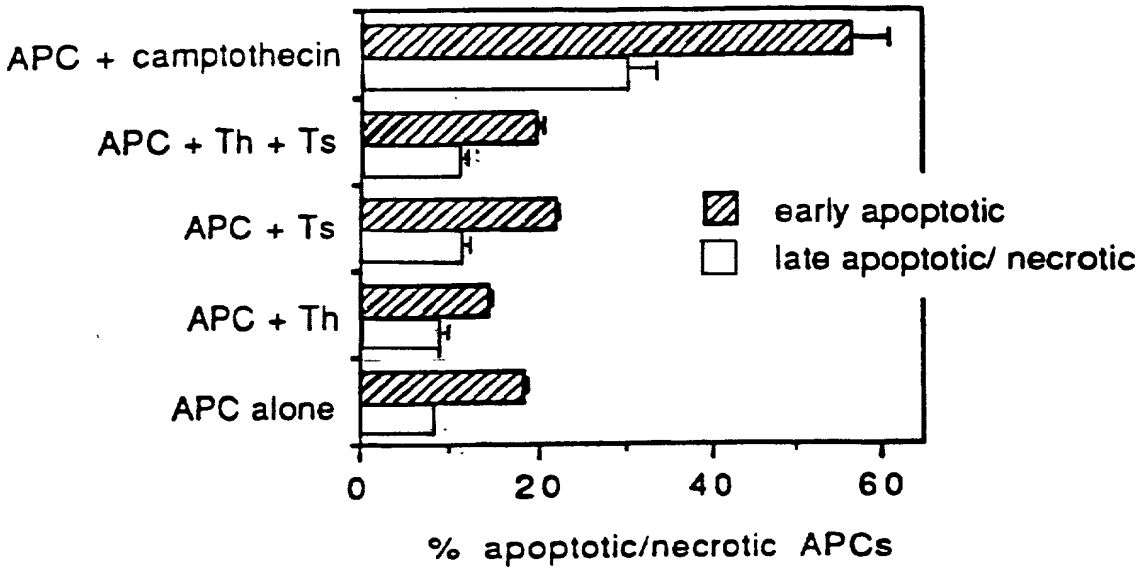
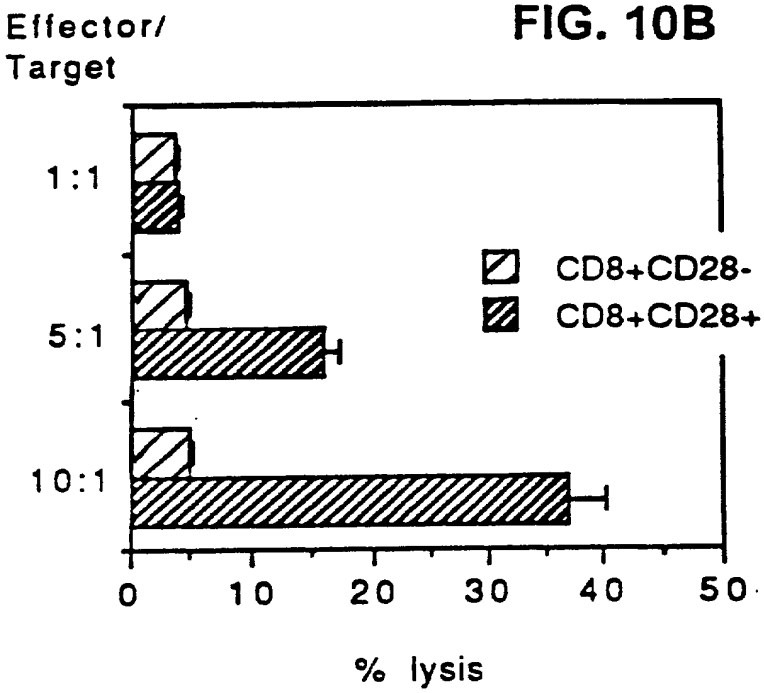


FIG. 10B



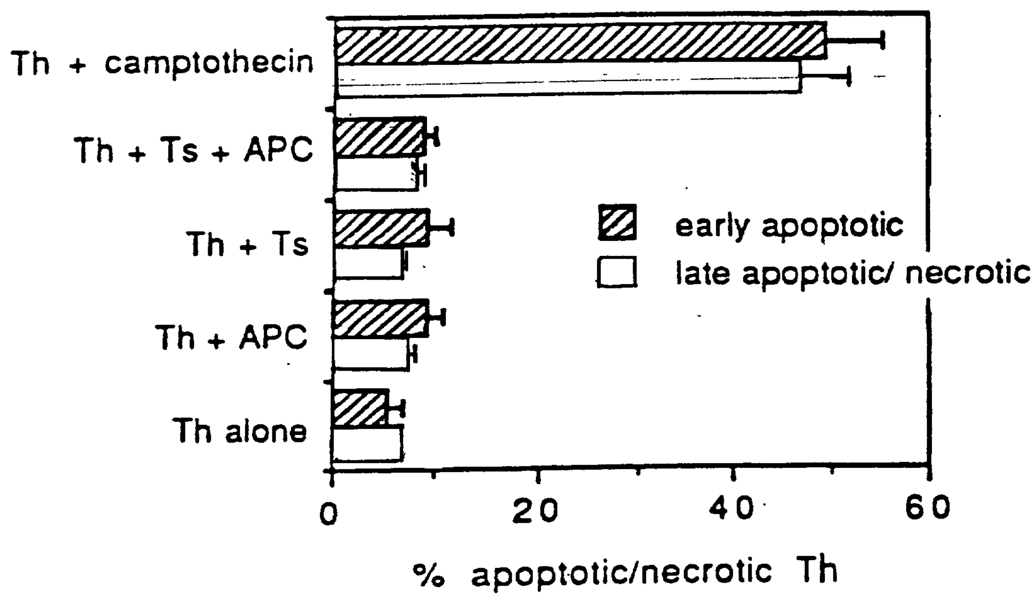


FIG. 10C

FIG. 11A

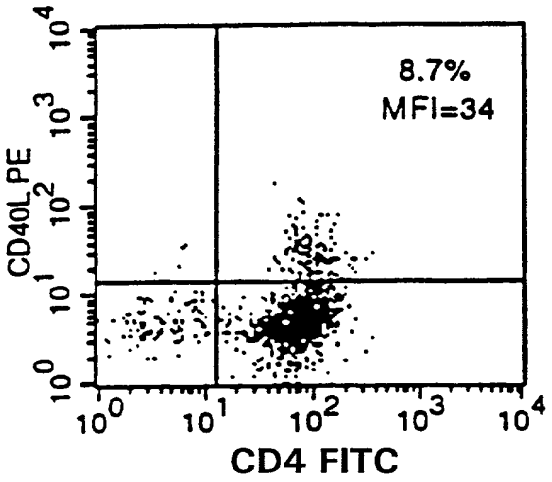


FIG. 11B

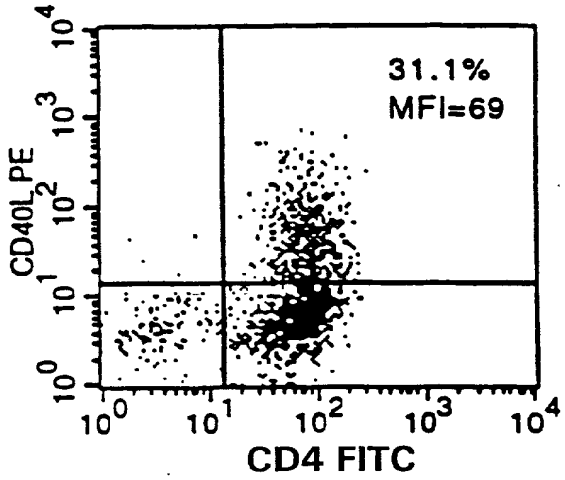


FIG. 11C

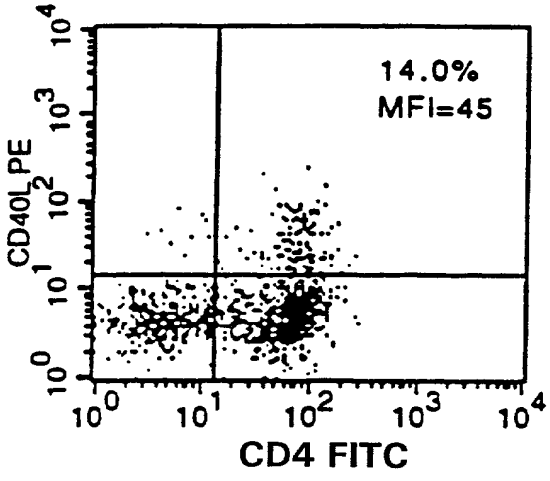


FIG. 11D

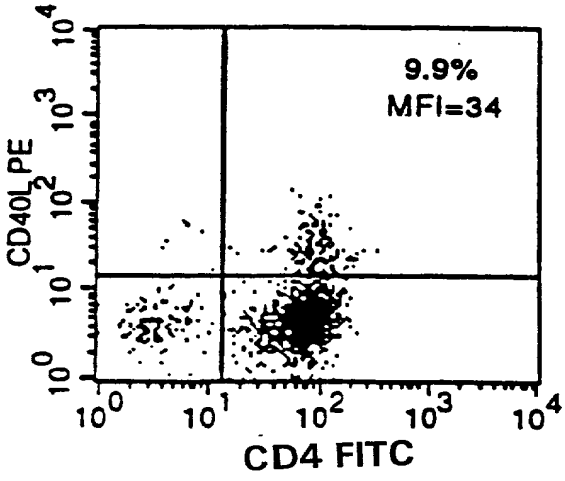


FIG. 12

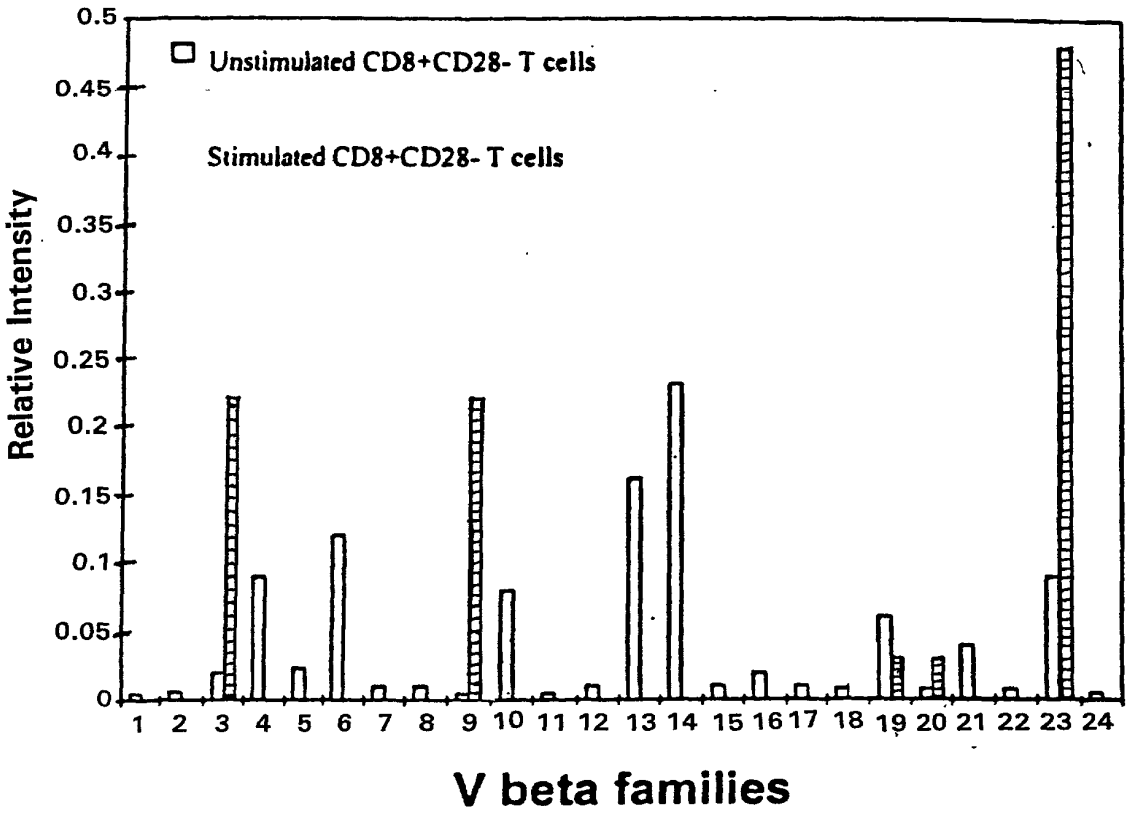

Unstimulated CD8+CD28- T cells
Stimulated CD8+CD28- T cells
Relative Intensity
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
V beta families

FIG. 13A

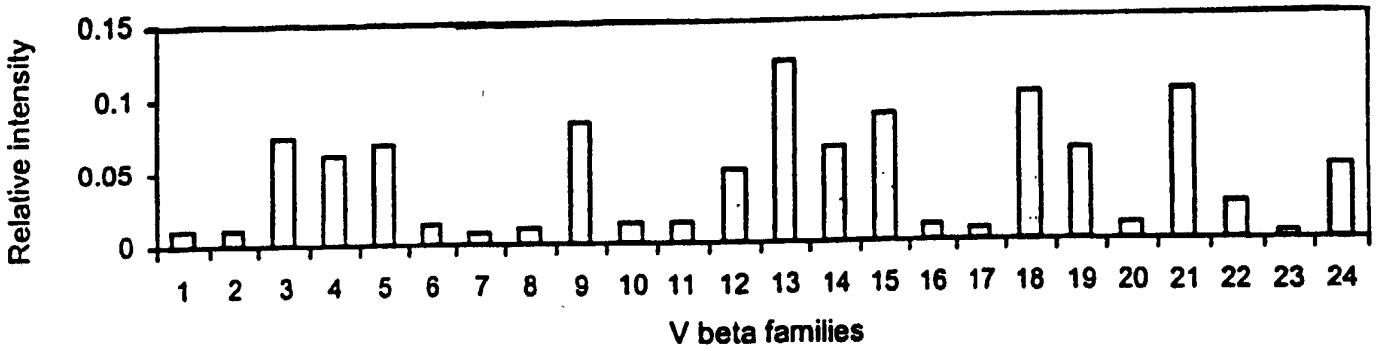


FIG. 13B

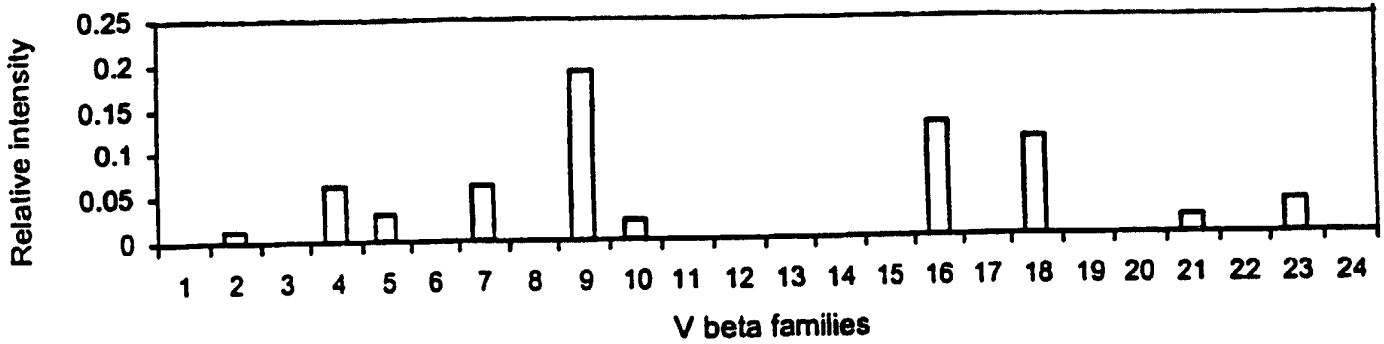


FIG. 13C

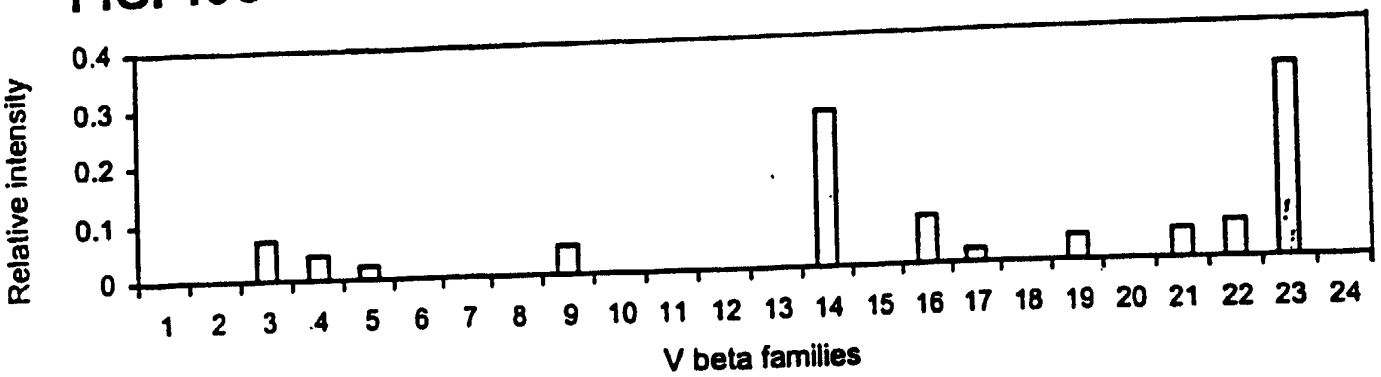


FIG. 13D

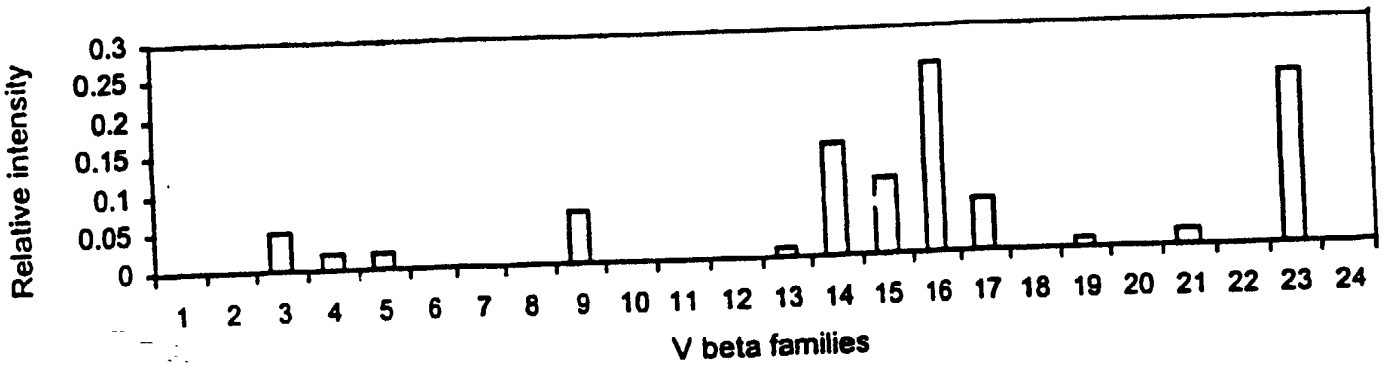


FIG. 14A

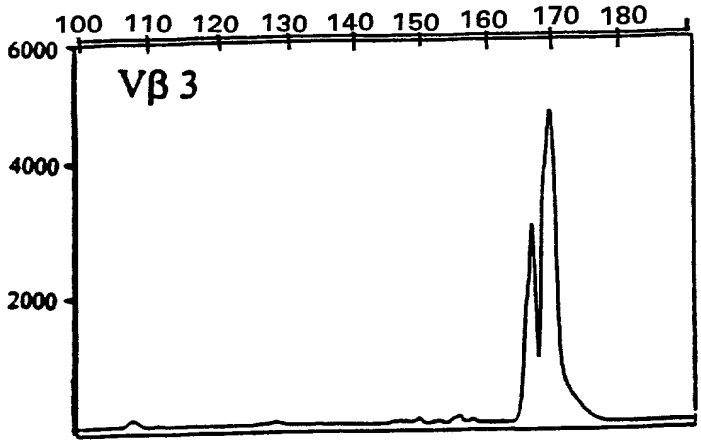


FIG. 14B

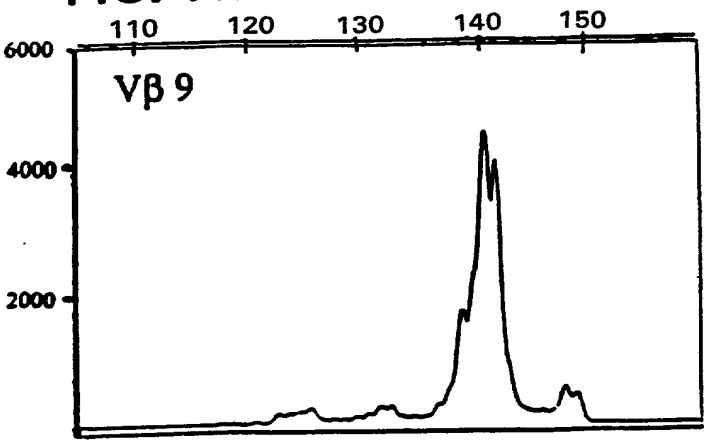


FIG. 14C

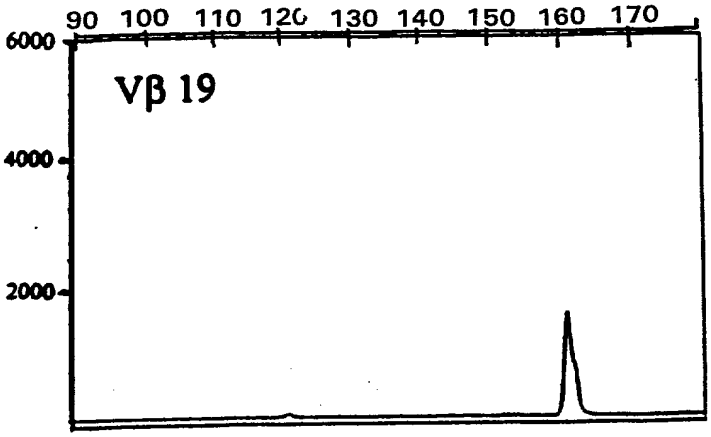


FIG. 14D

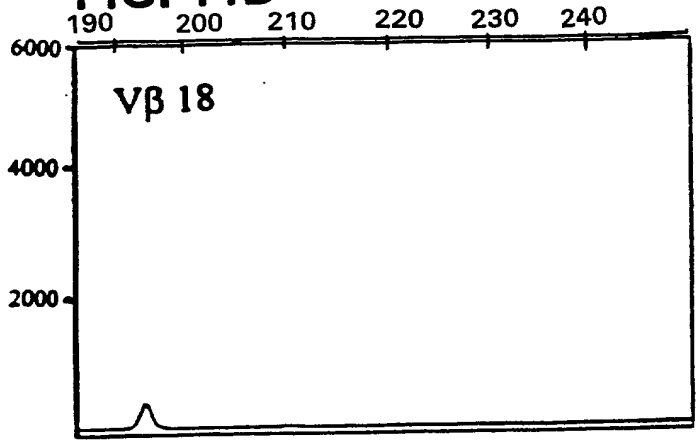


FIG. 14E

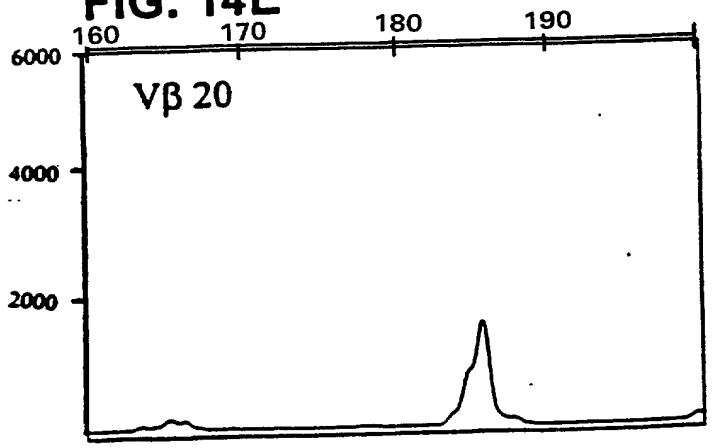


FIG. 14F

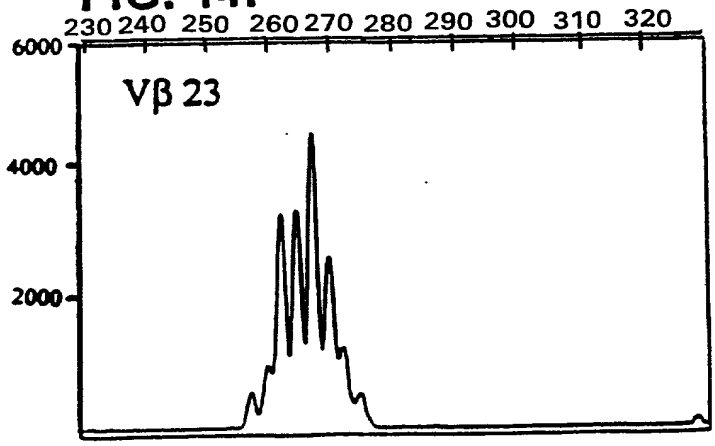


FIG. 15A

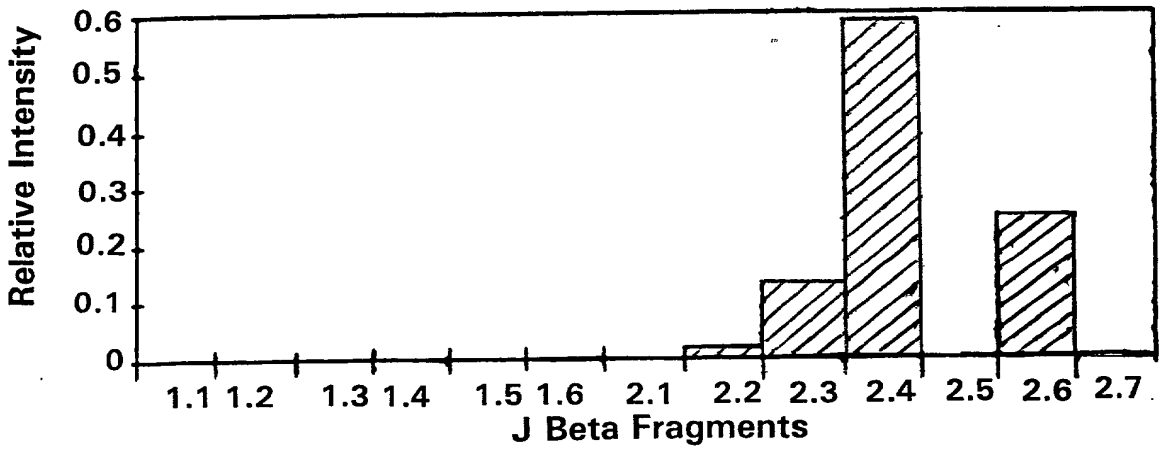


FIG. 15B

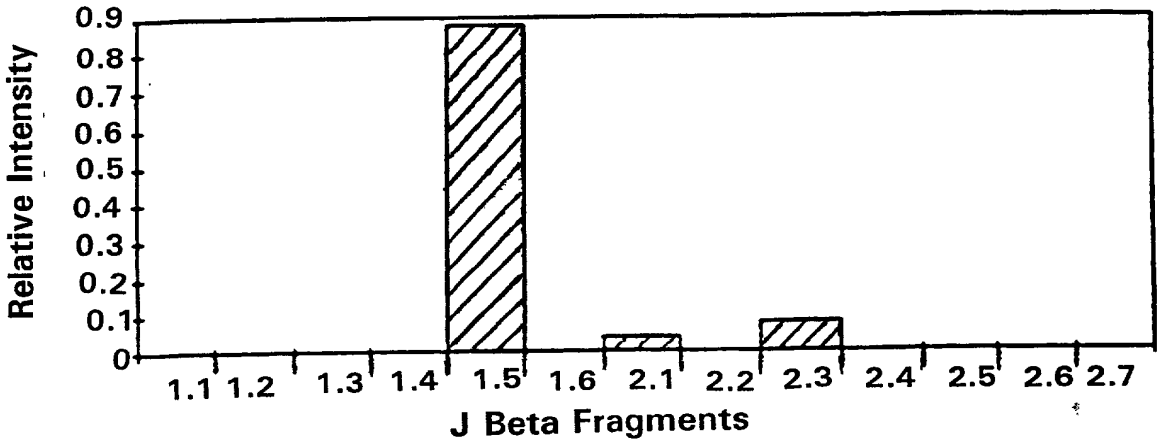


FIG. 15C

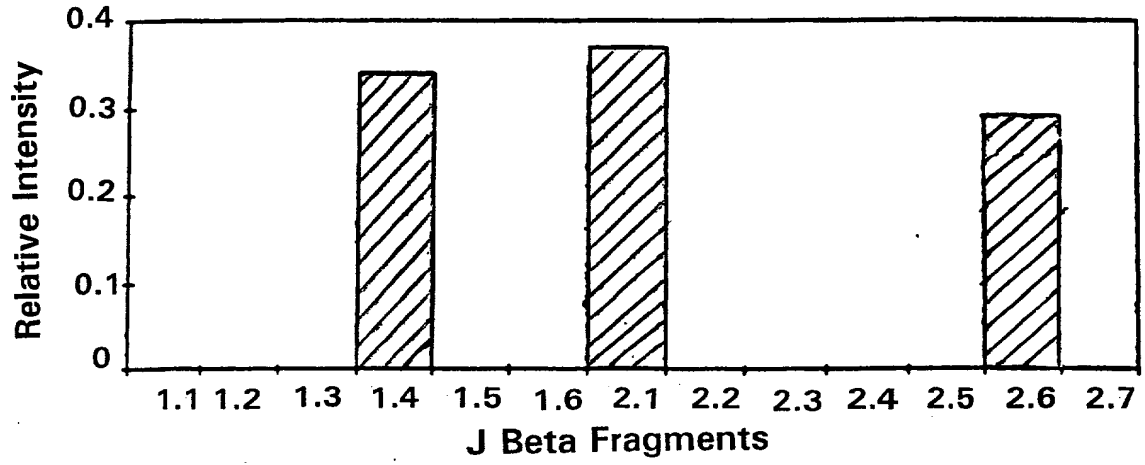


FIG. 16

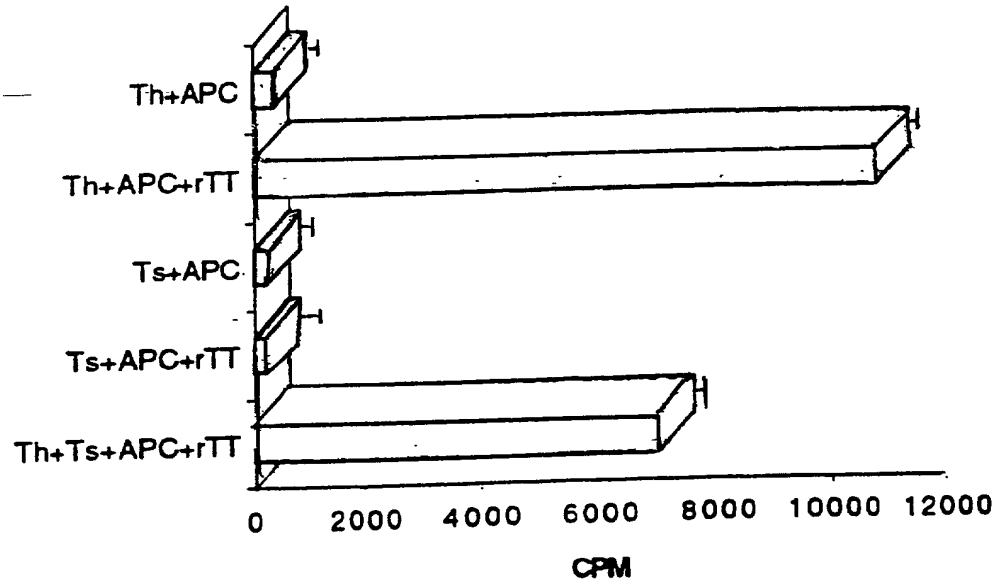

Th+APC
Th+APC+rTT
Ts+APC
Ts+APC+rTT
Th+Ts+APC+rTT
0
2000
4000
6000
8000
10000
12000
CPM

FIG. 17

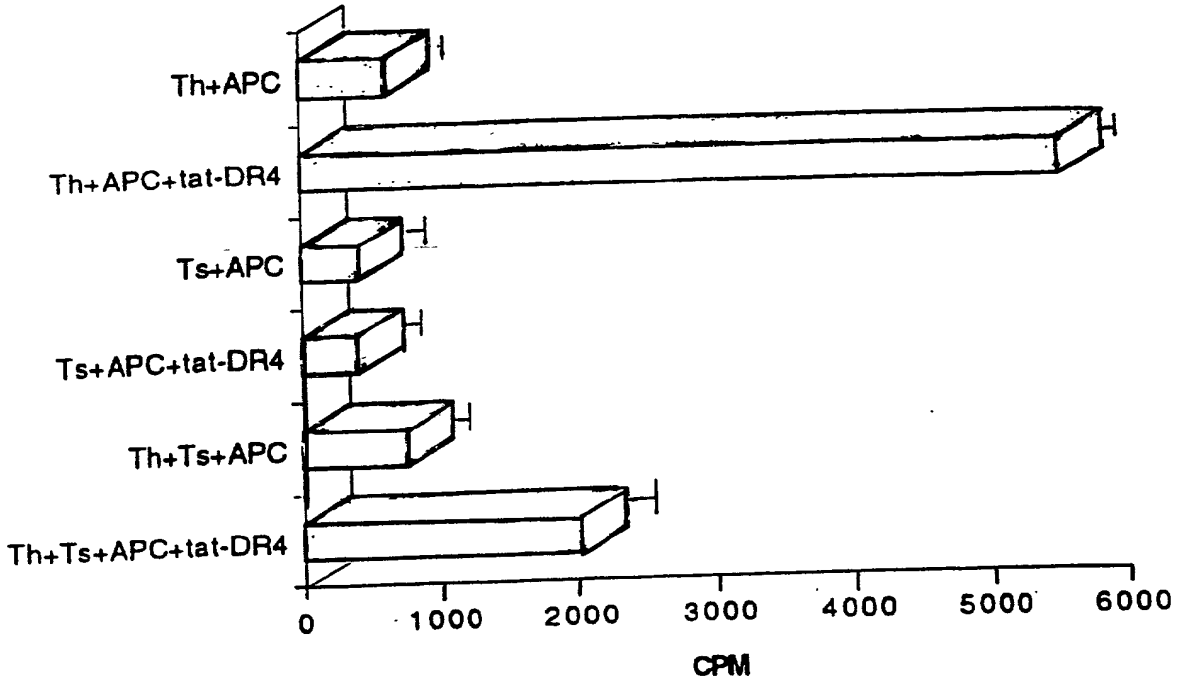


FIG. 18A

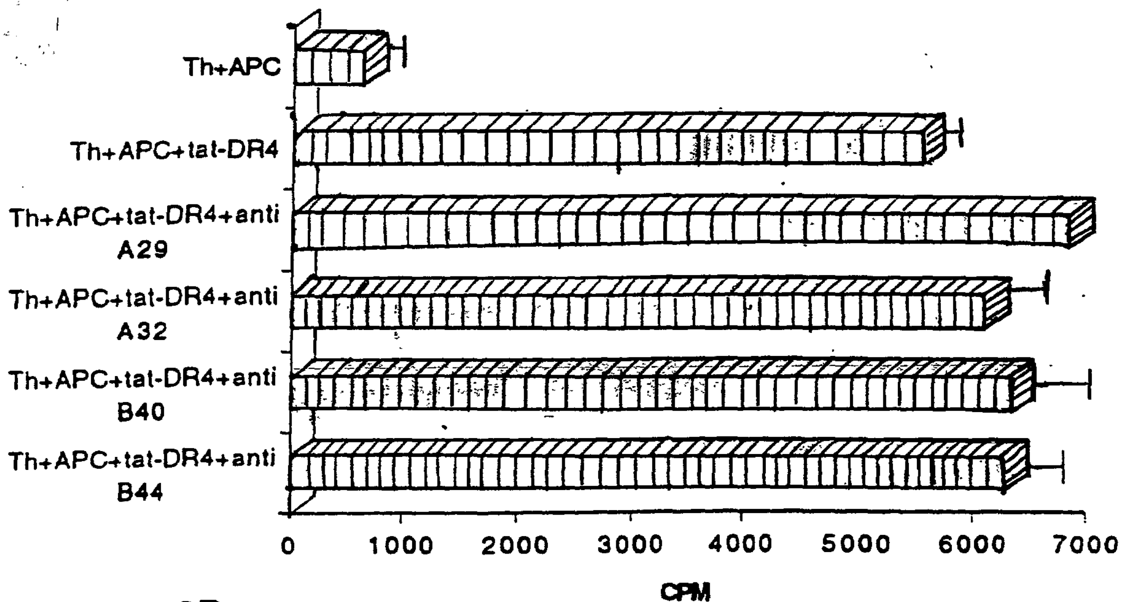


FIG. 18B

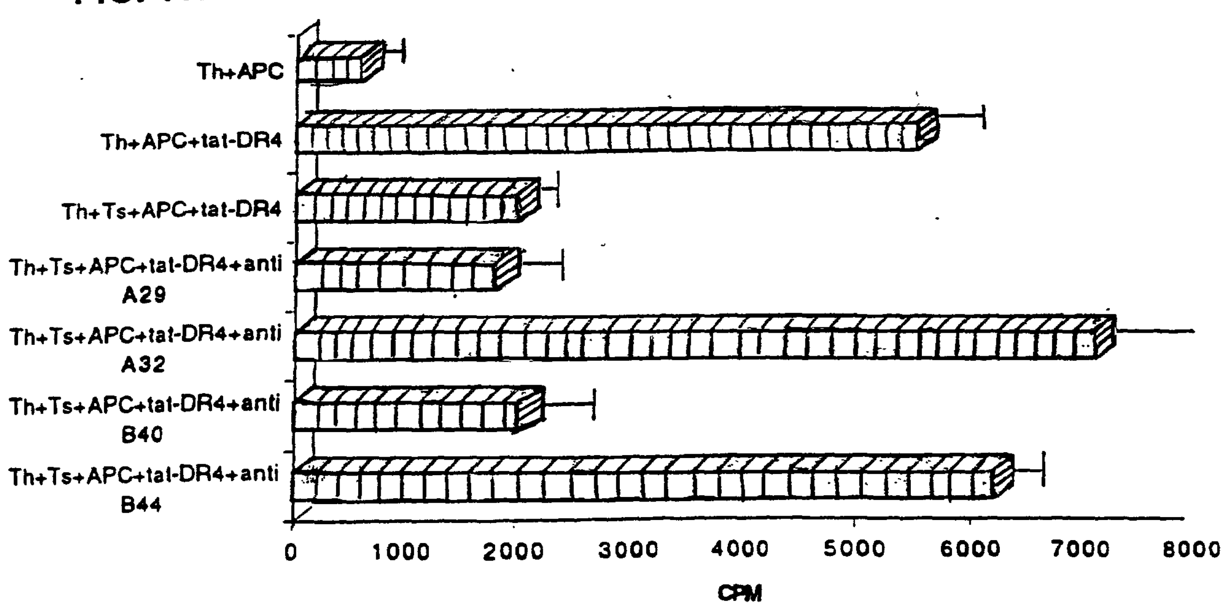


FIG. 19A-1

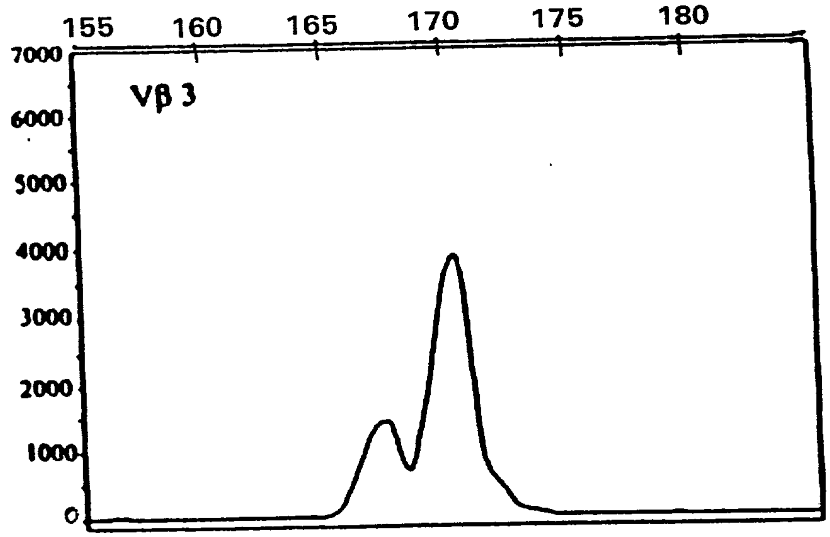


FIG. 19A-2

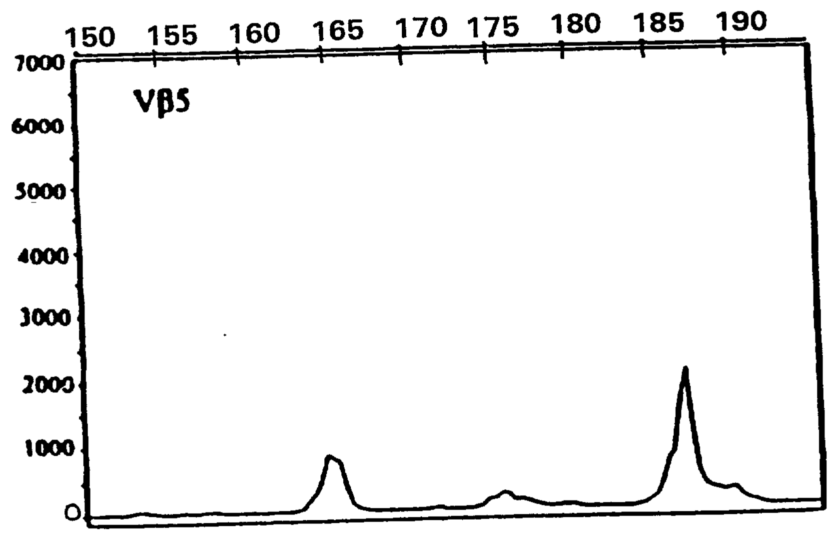


FIG. 19A-3

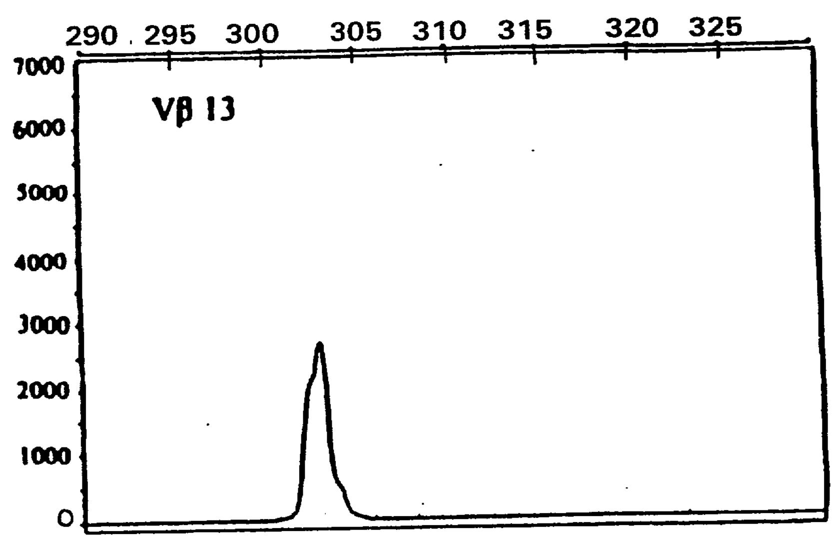


FIG. 19A-4

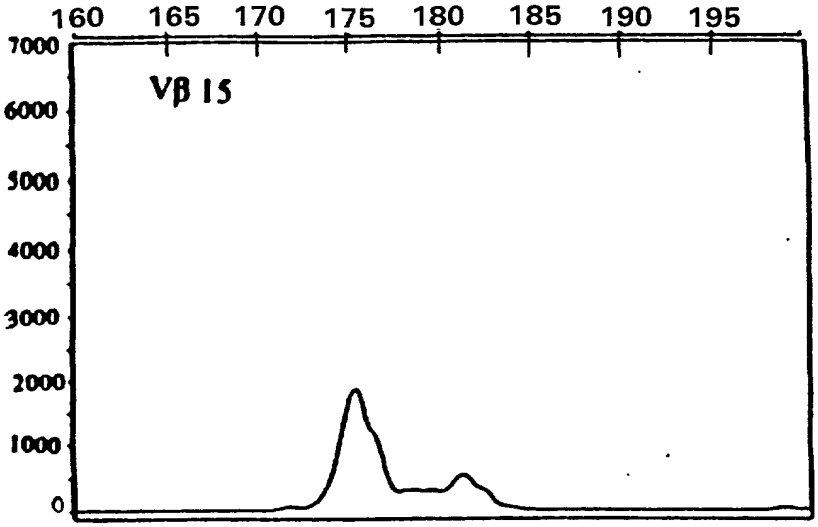


FIG. 19A-5

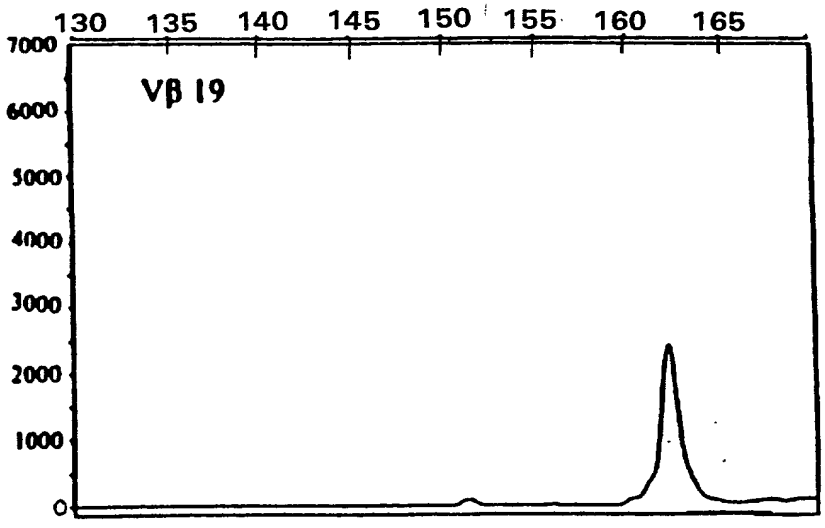


FIG. 19B-1

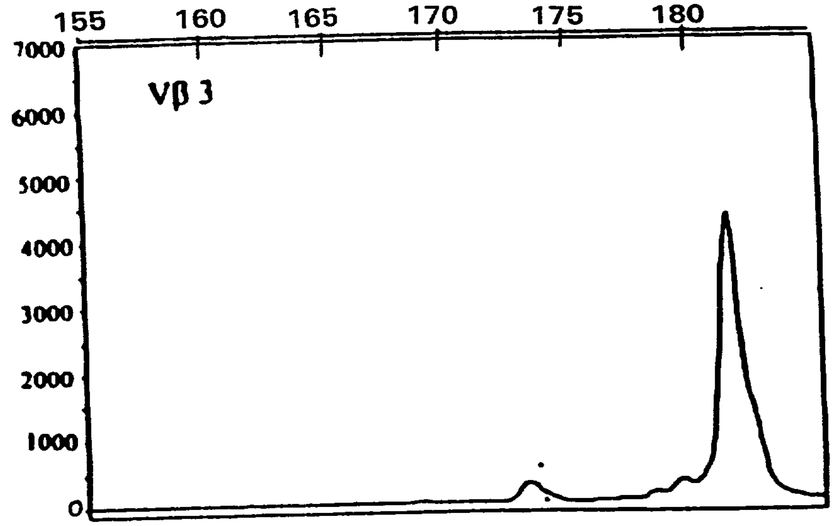


FIG. 19B-2

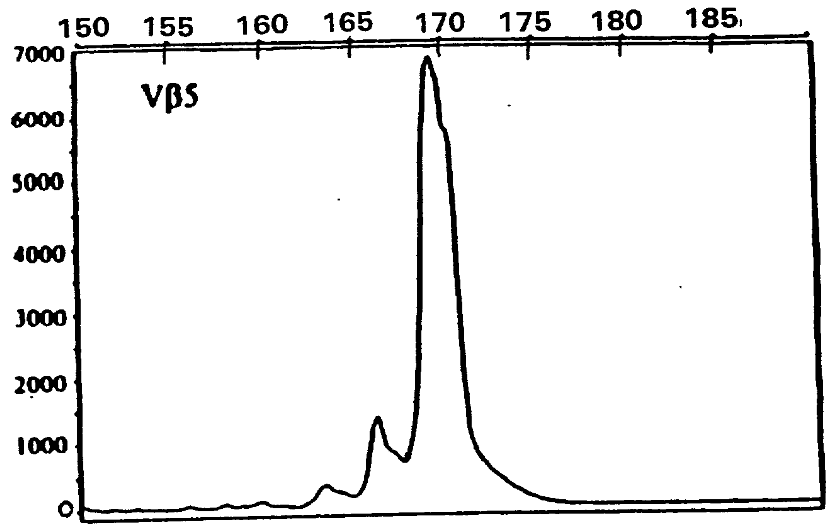
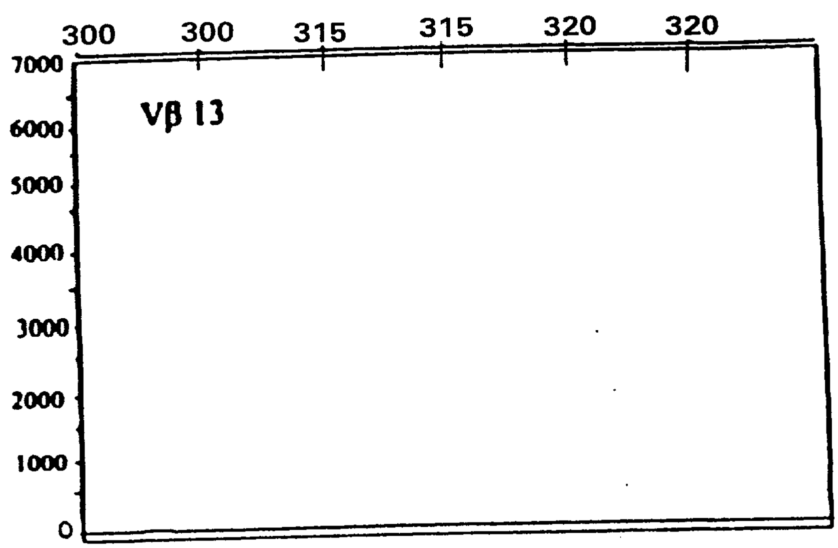


FIG. 19B-3



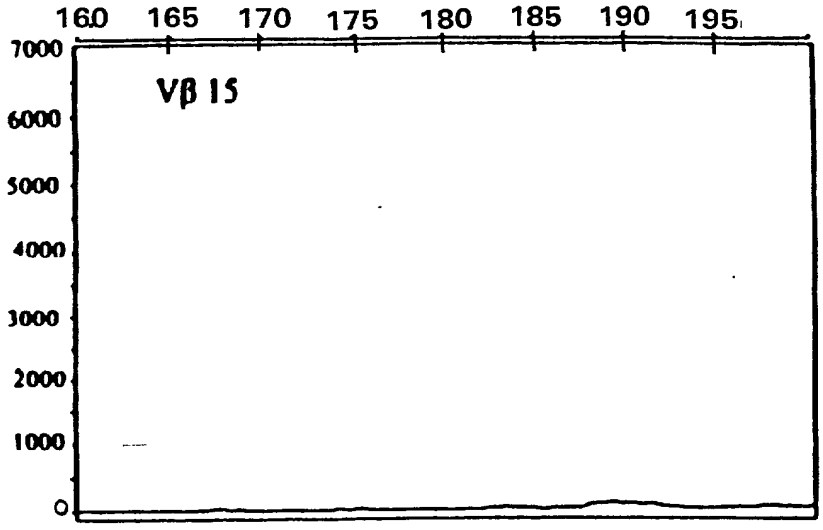


FIG. 19B-4

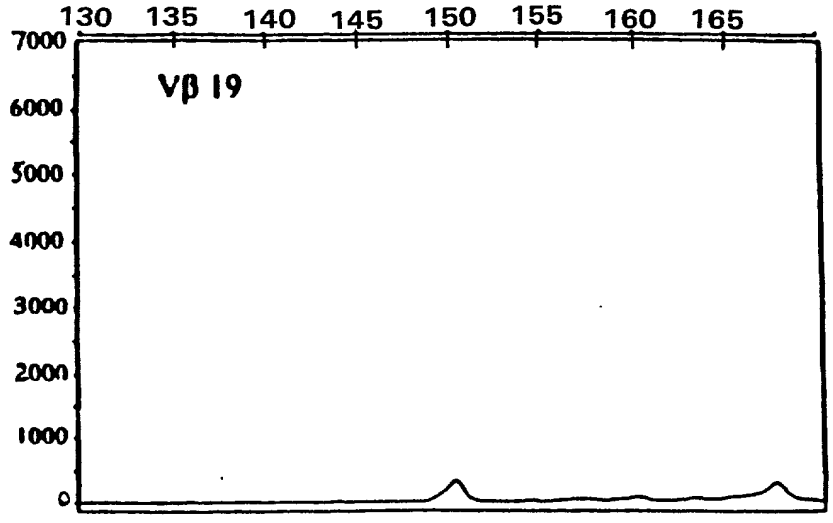


FIG. 19B-5

FIG. 19C-1

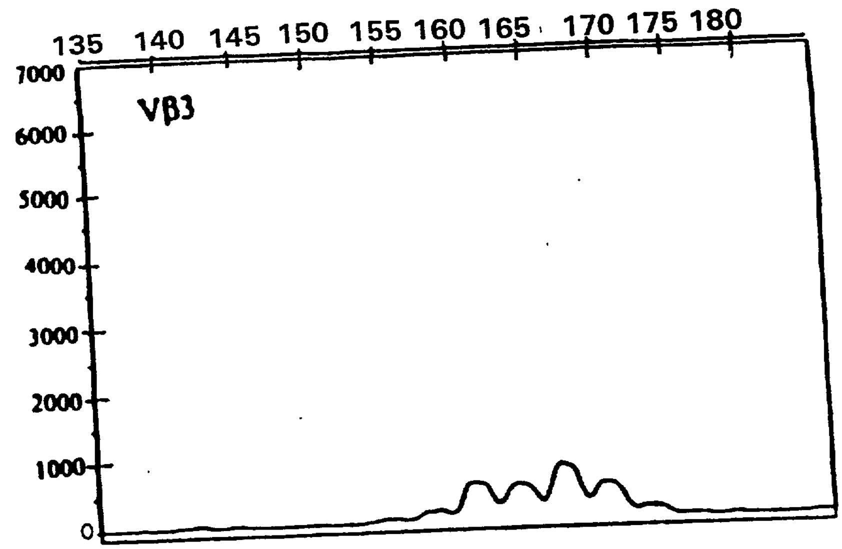


FIG. 19C-2

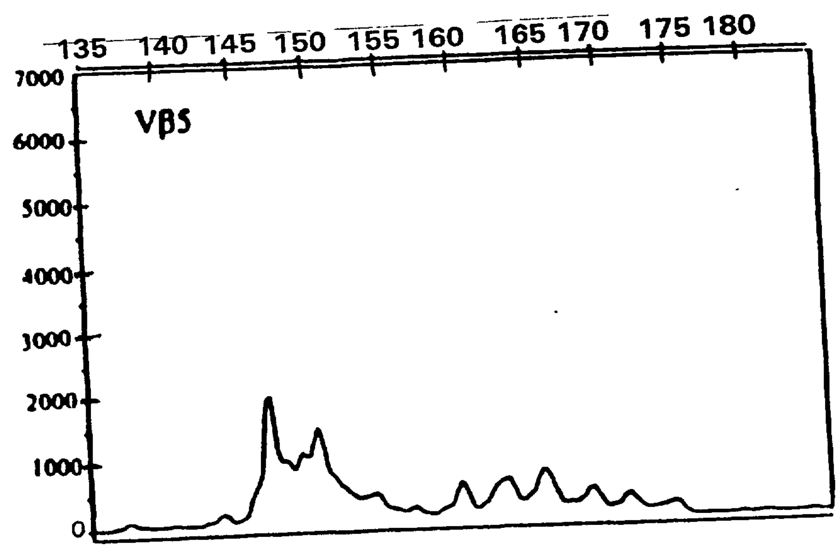
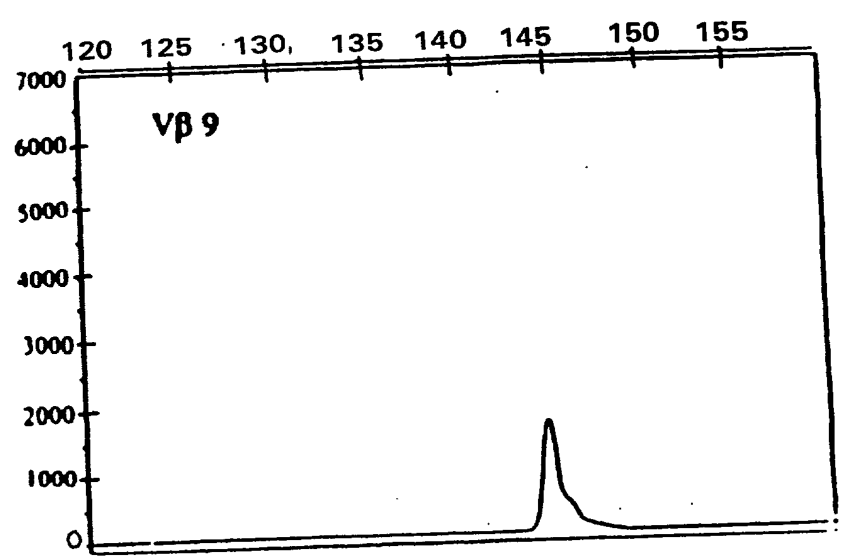


FIG. 19C-3



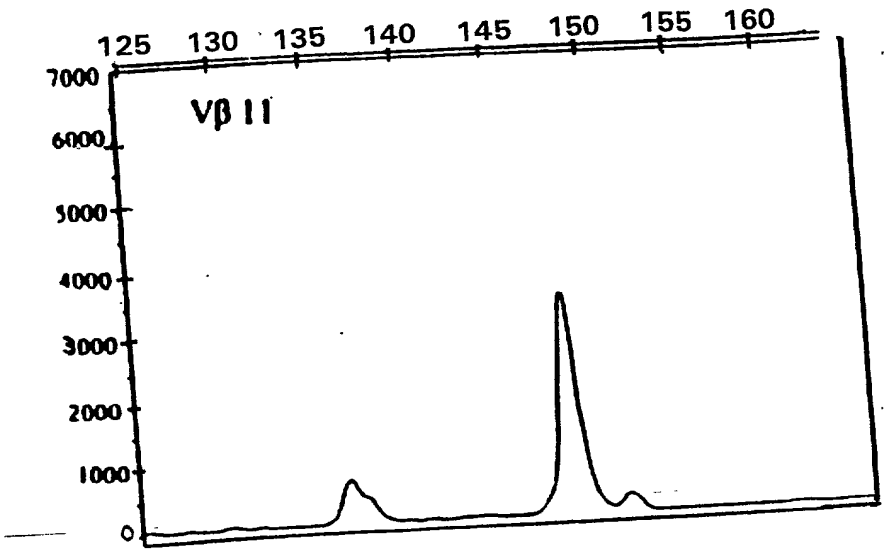


FIG. 19C-4

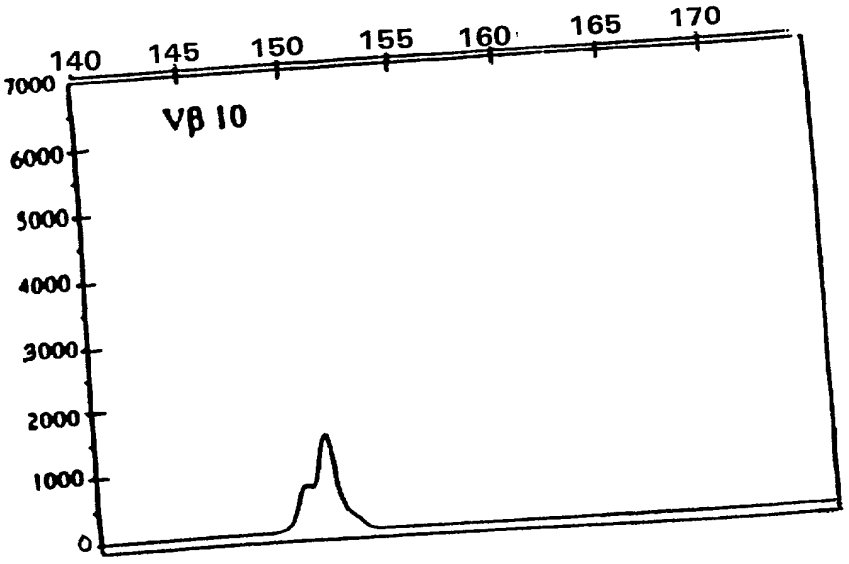
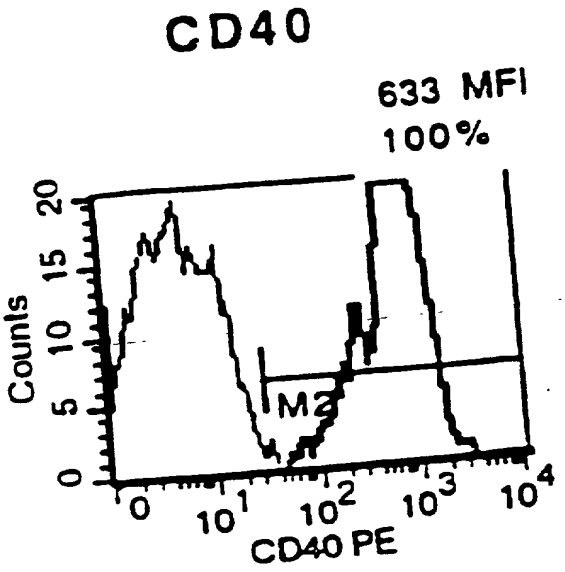


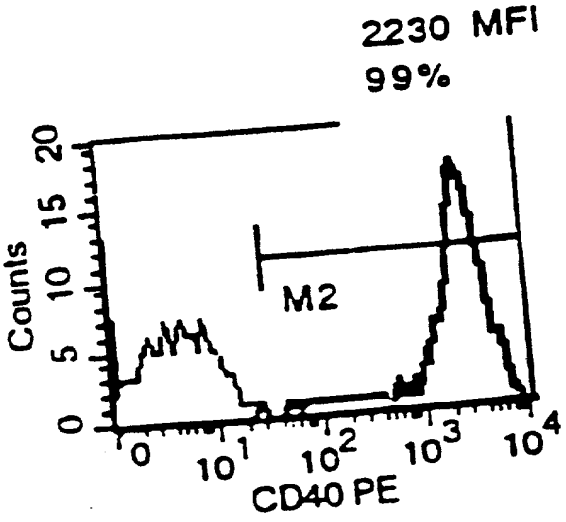
FIG. 19C-5

FIG. 20A



APC+tat-DR4

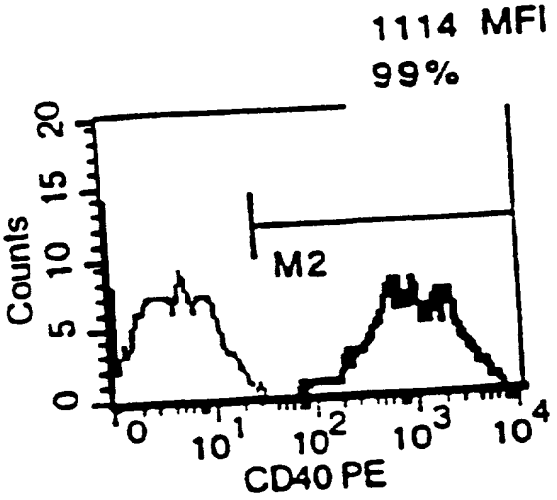
FIG. 20B



Th+APC+tat-DR4

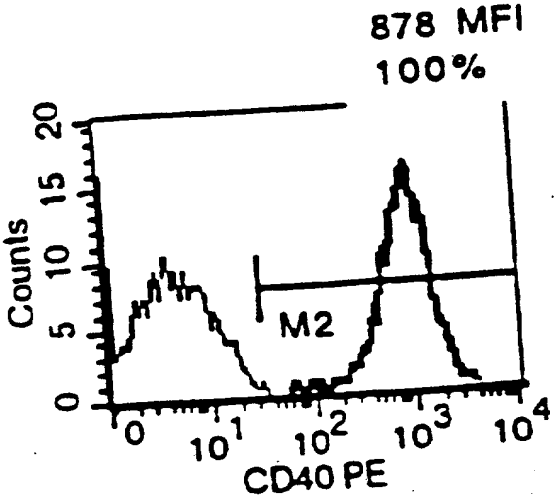
CD40

FIG. 20C



Th+Ts+APC+tat-DR4

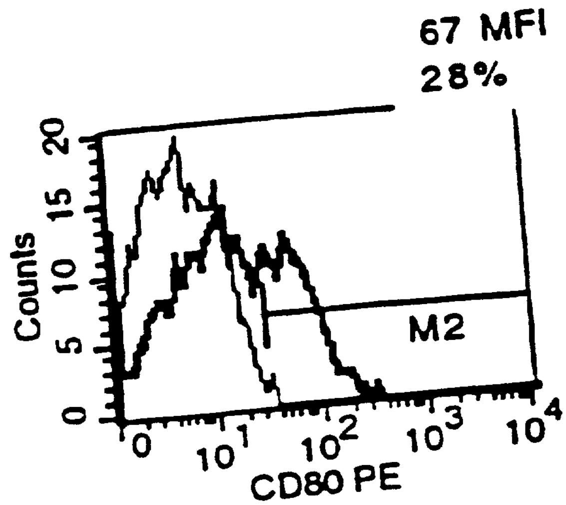
FIG. 20D



Ts+APC+tat-DR4

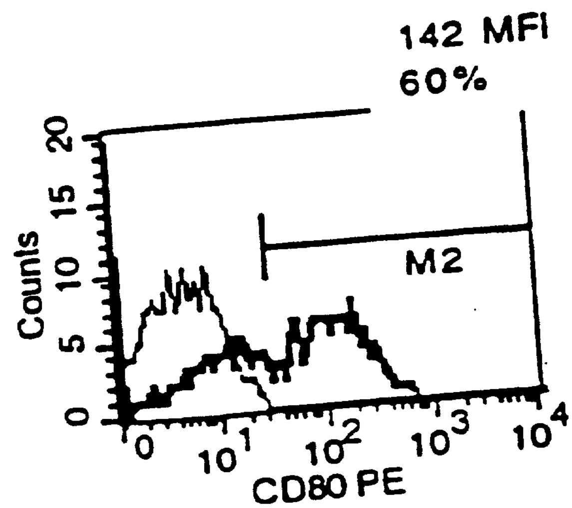
CD80

FIG. 20E



APC+tat-DR4

FIG. 20F



Th+APC

+tat-DR4

CD80

FIG. 20G

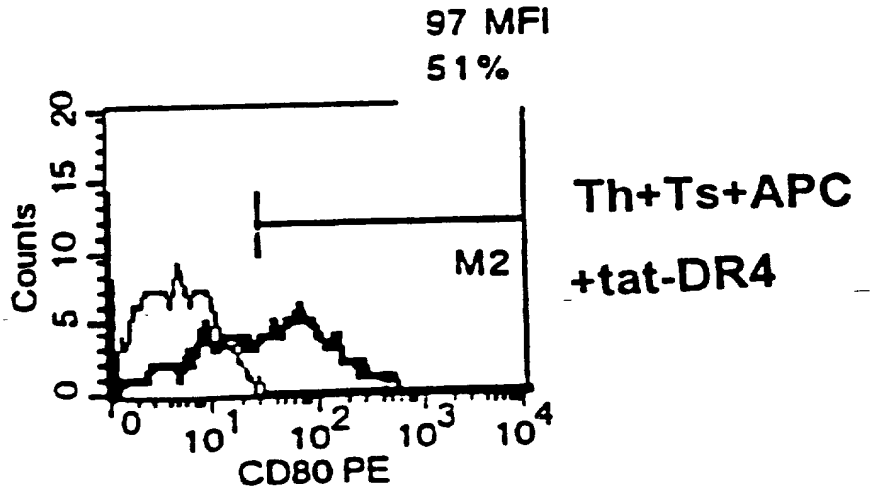
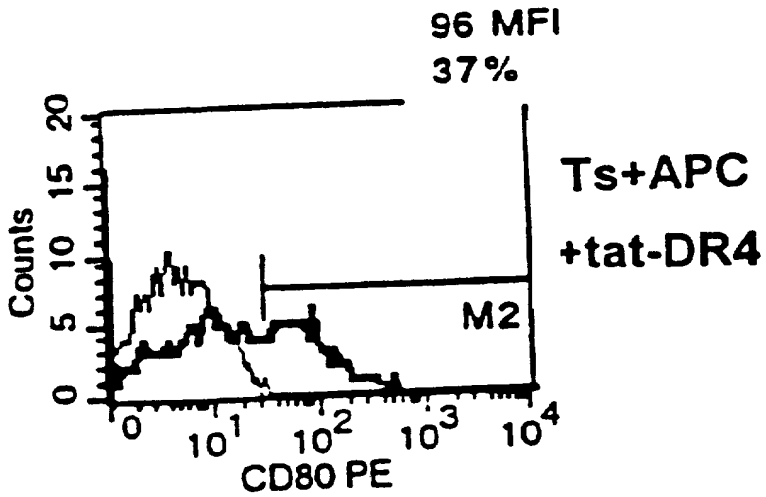
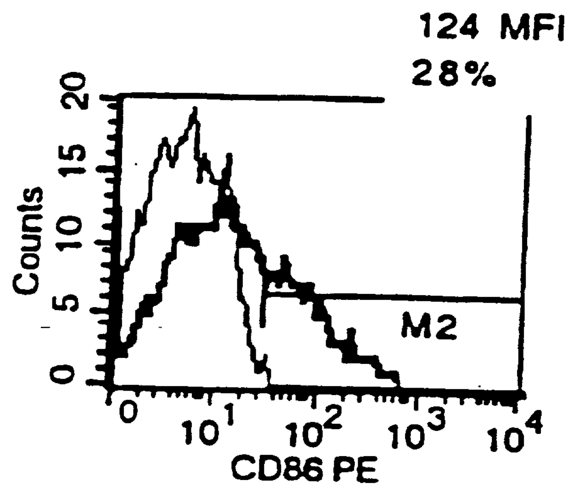


FIG. 20H

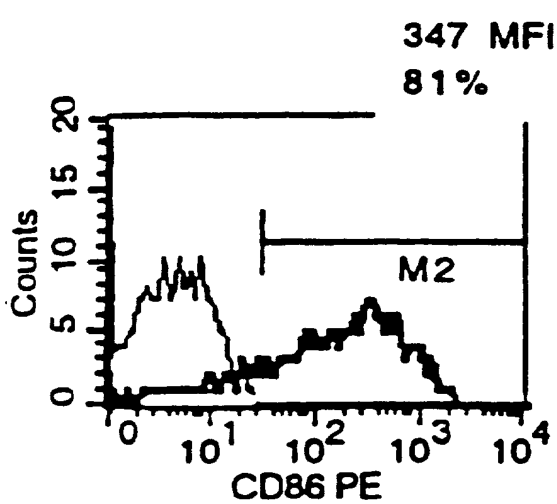


CD86



APC+tat-DR4

FIG. 20I



Th+APC+tat-DR4

FIG. 20J

CD86

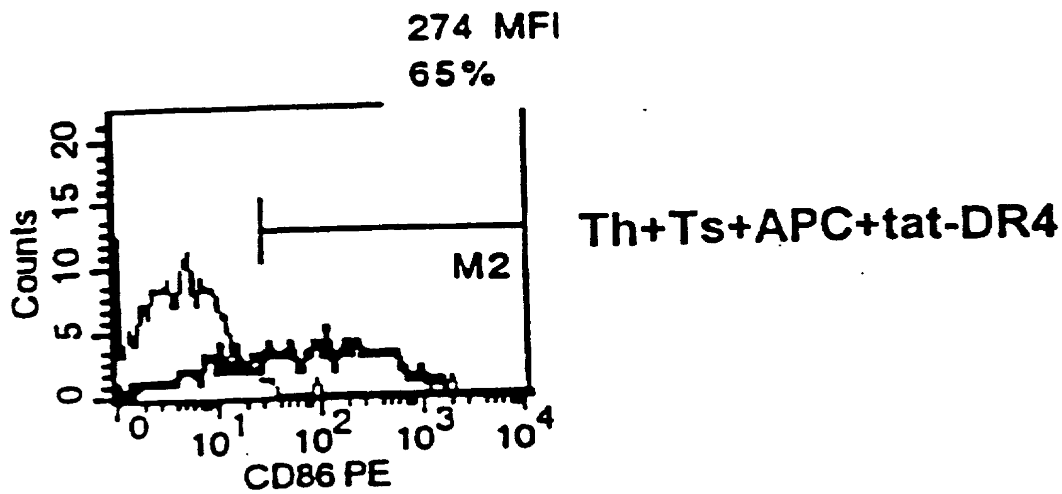


FIG. 20K

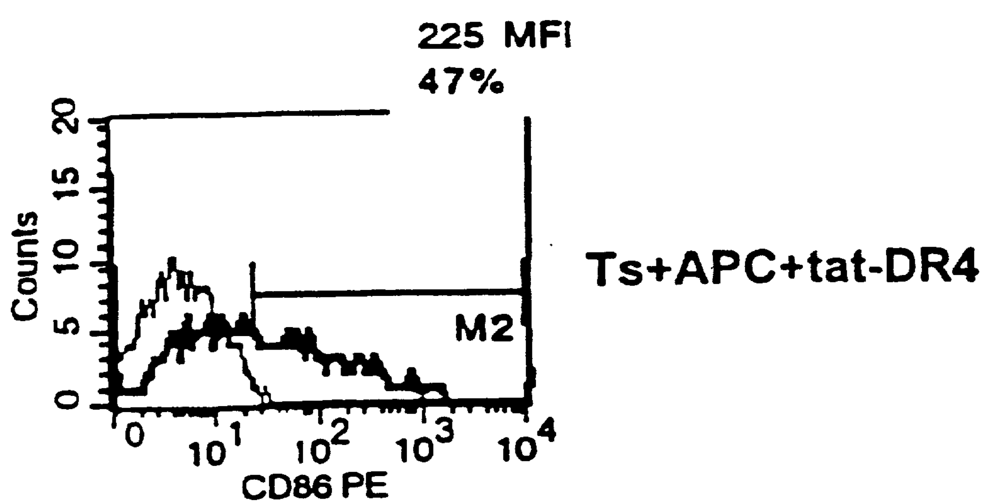


FIG. 20L

FIG. 21A

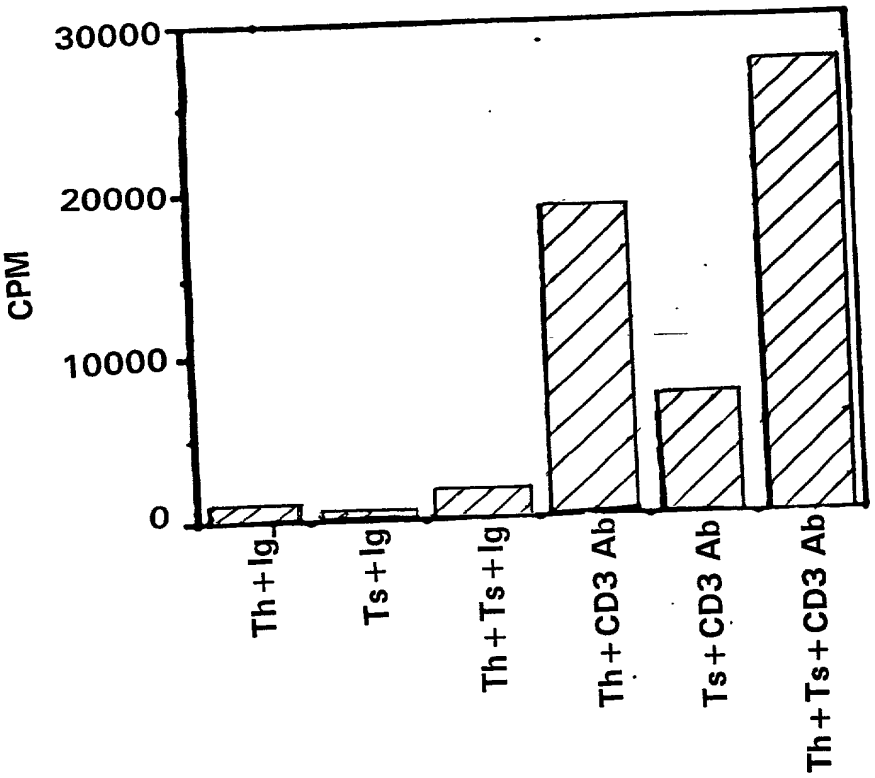


FIG. 21B

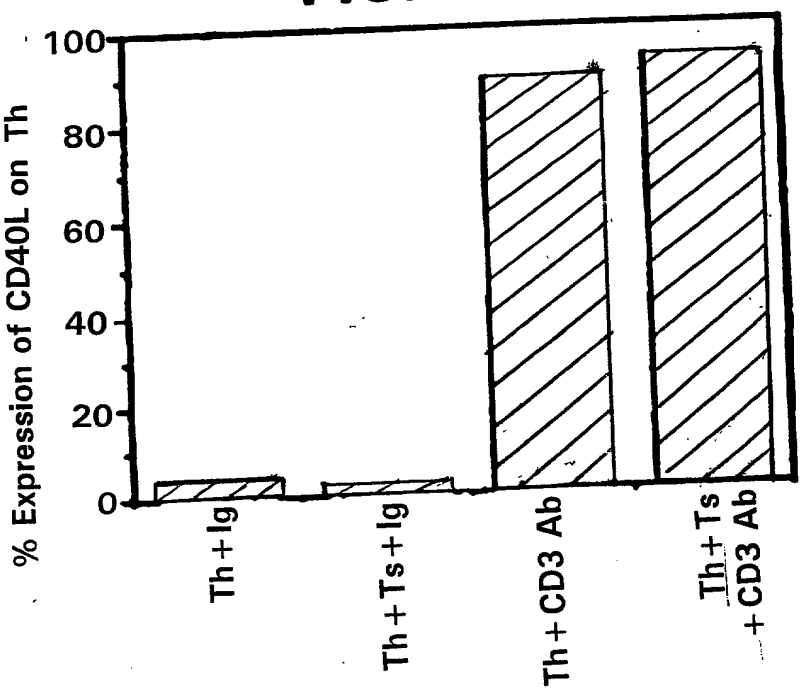


FIG. 21C

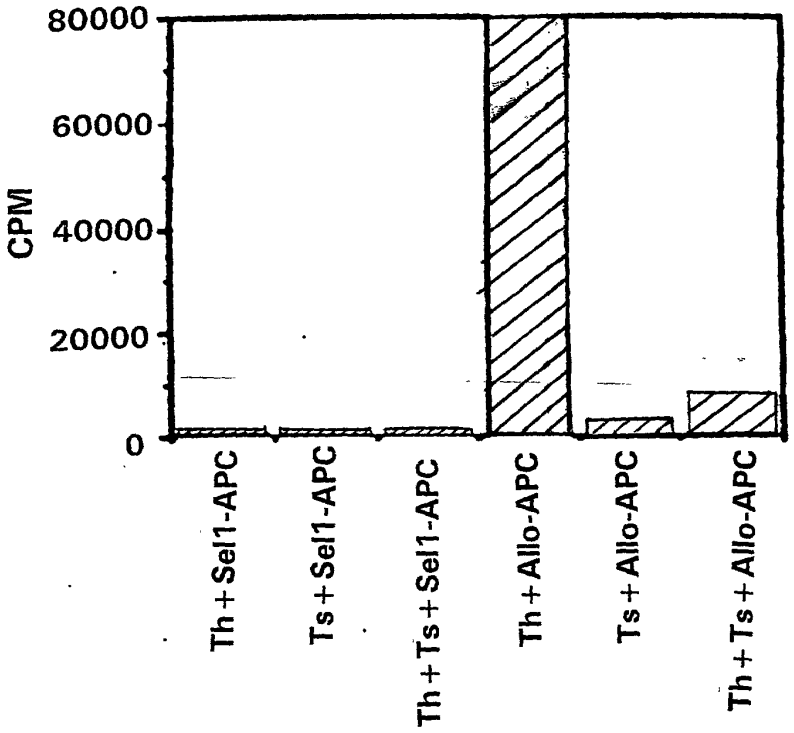


FIG. 21D

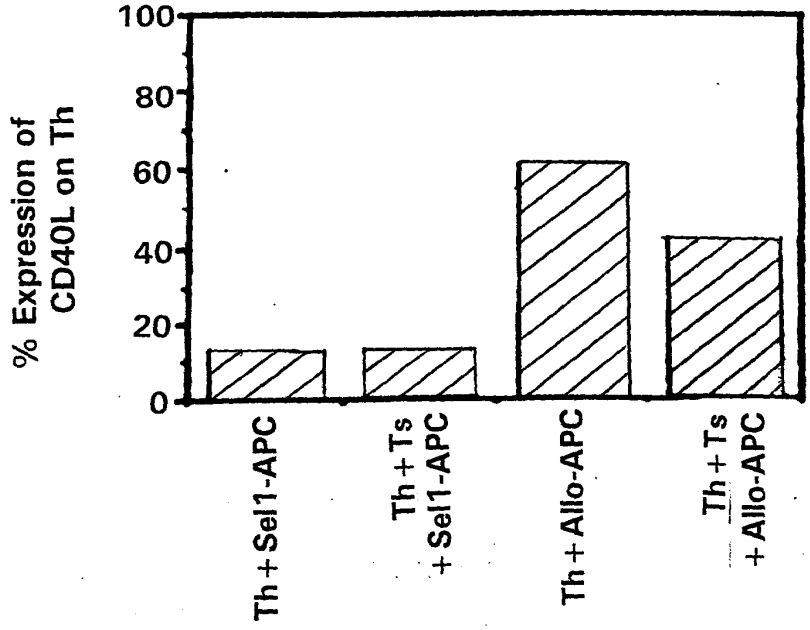
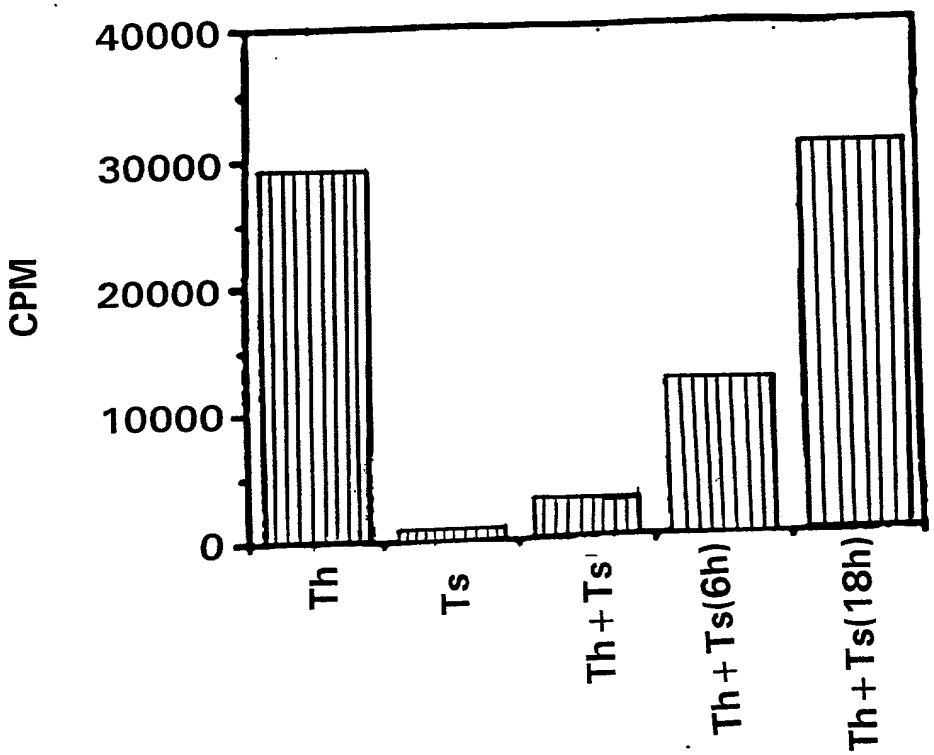


FIG. 22



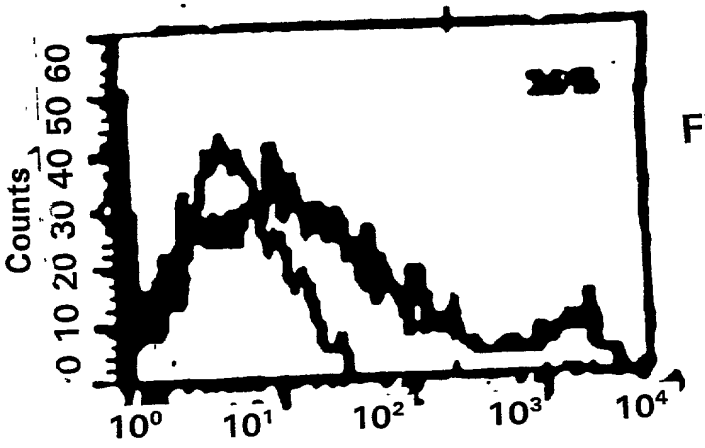


Fig. 23A-1
CD54

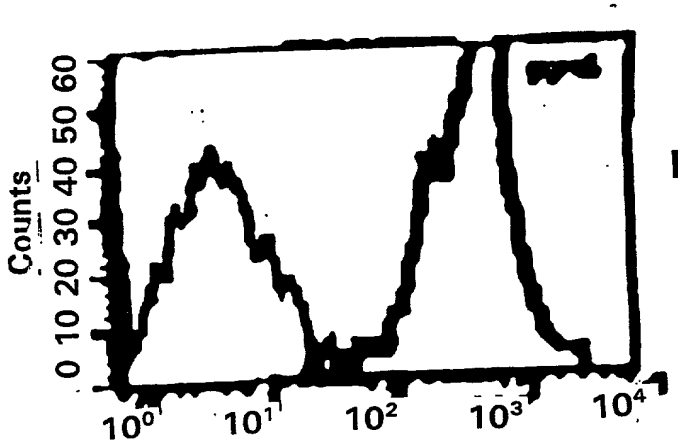


Fig. 23A-2
CD58

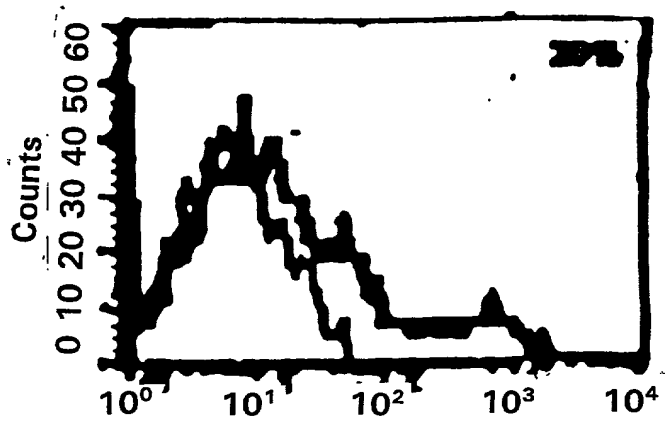


Fig. 23A-3
CD40

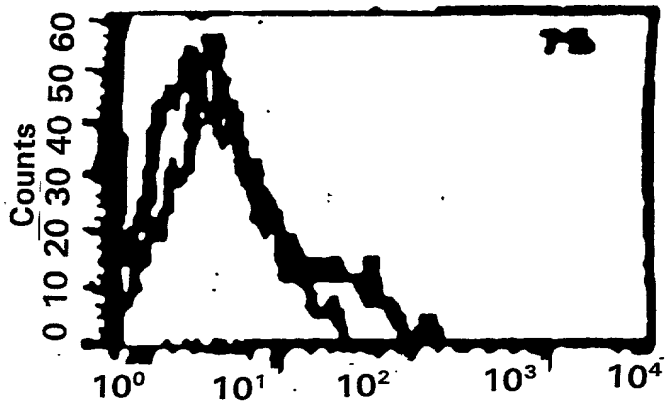


Fig. 23A-4
CD80

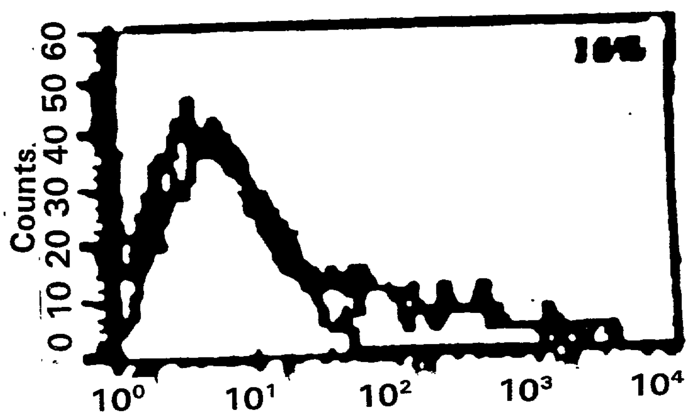


Fig. 23A-5
CD86

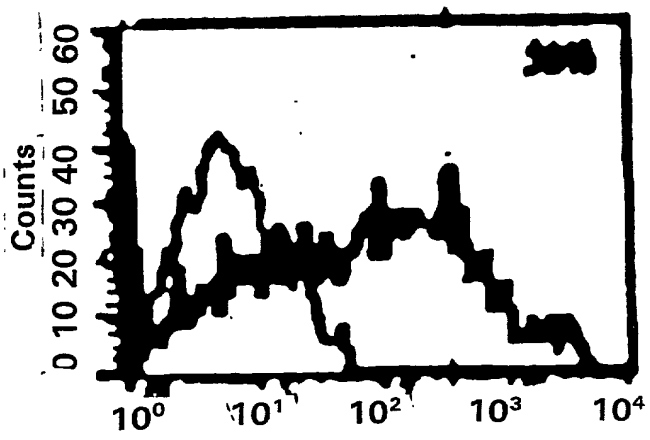


Fig. 23B-1
CD54

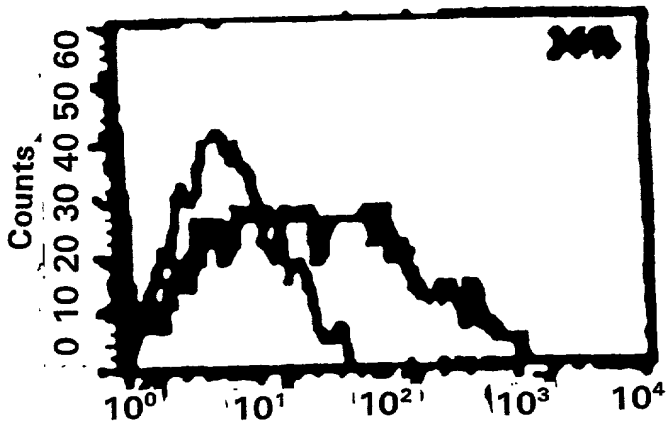


Fig. 23B-2
CD58

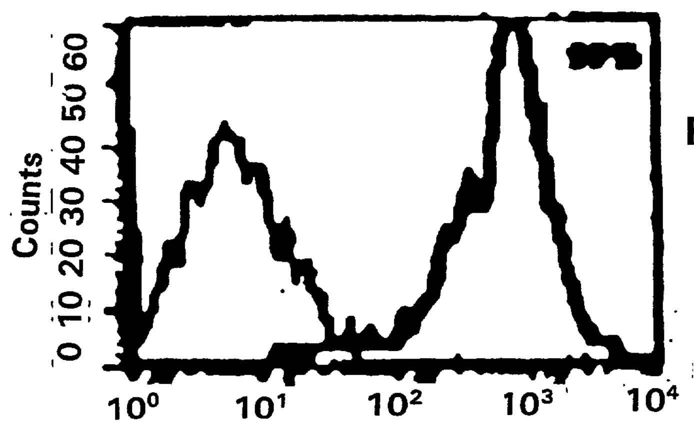


Fig. 23B-3
CD40

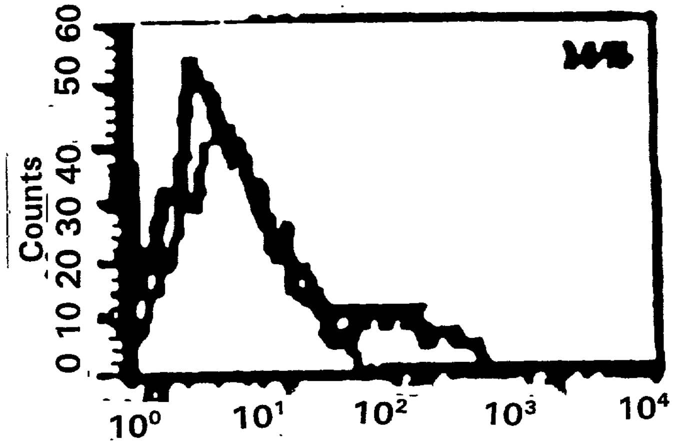


Fig. 23B-4

CD80

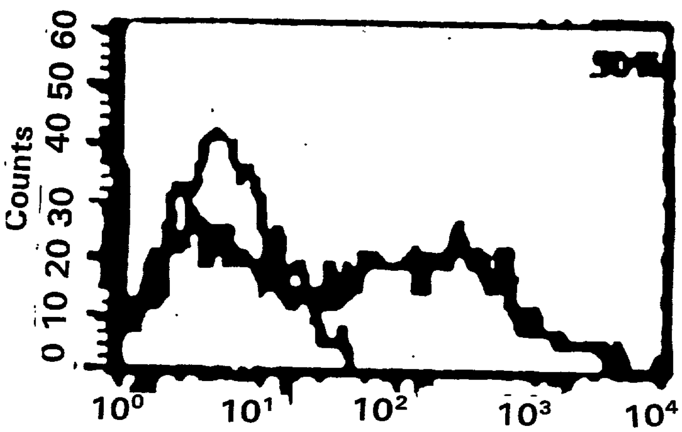


Fig. 23B-5

CD86

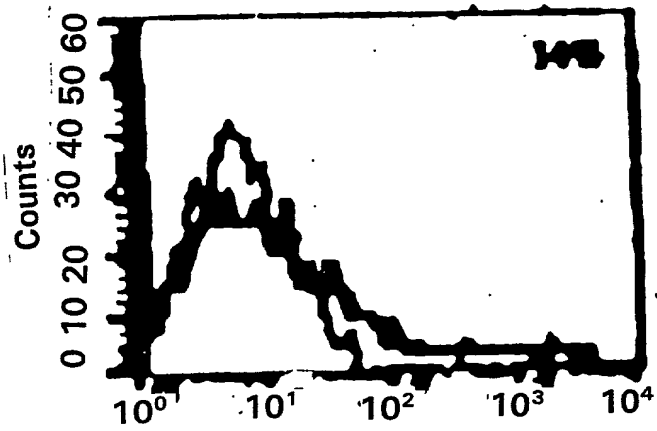


Fig. 23C-1
CD54

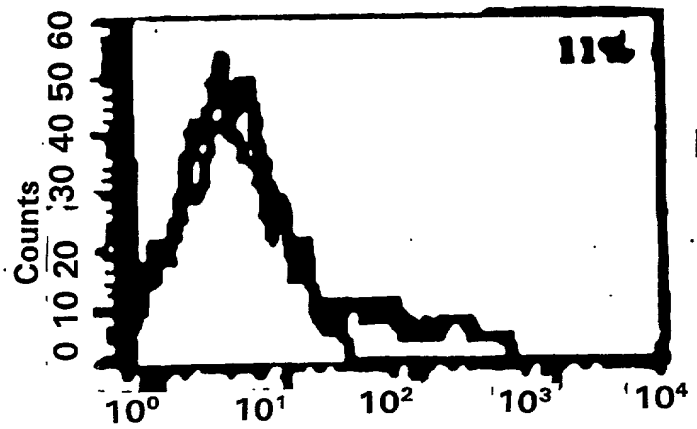


Fig. 23C-2
CD58

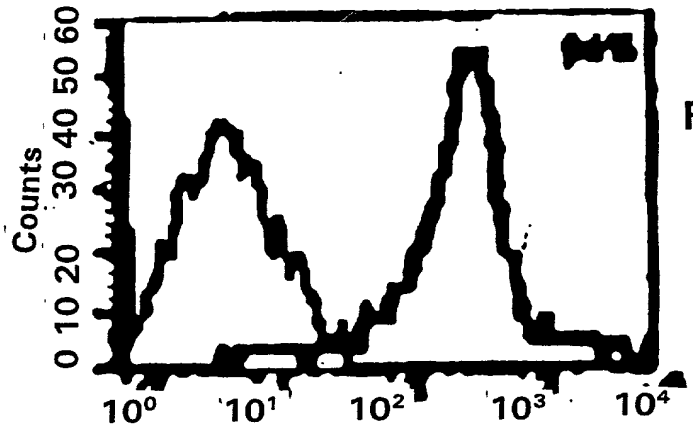


Fig. 23C-3
CD40

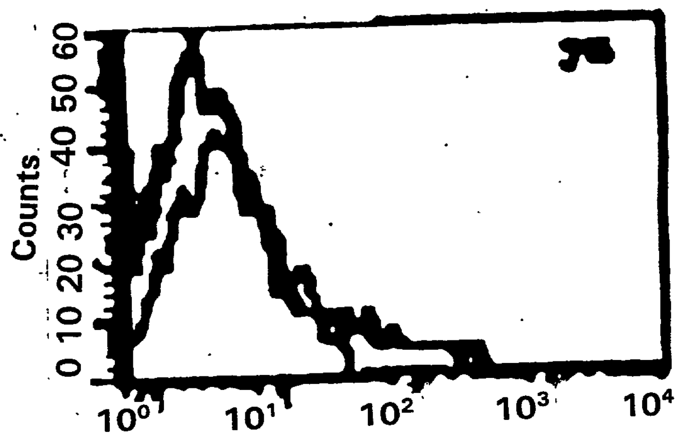


Fig. 23C-4

CD80

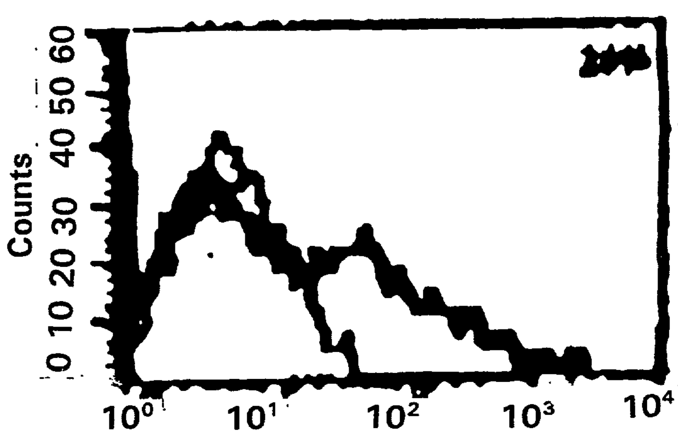


Fig. 23C-5

CD86

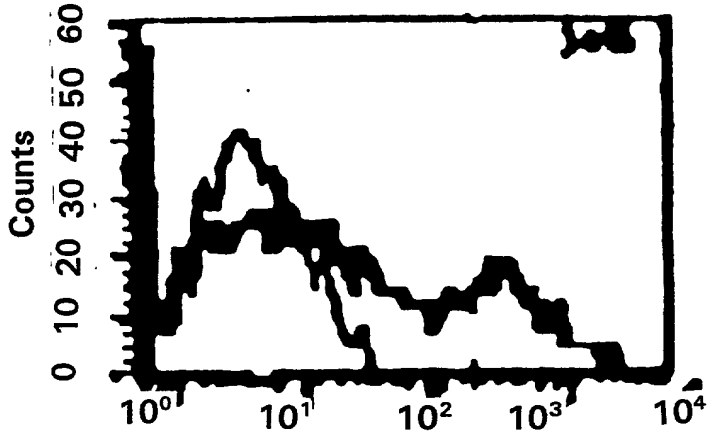
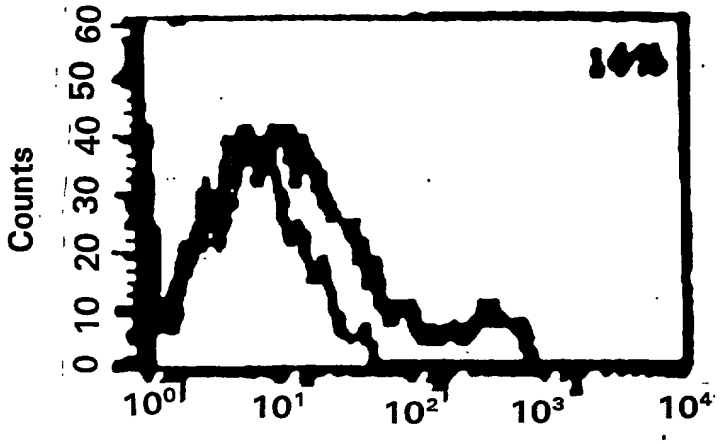


FIG. 23D-1
CD54

FIG. 23D-2
CD58



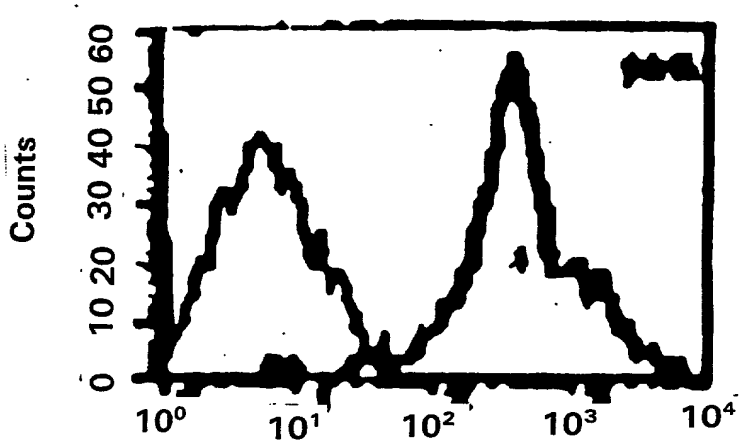


FIG. 23D-3
CD40

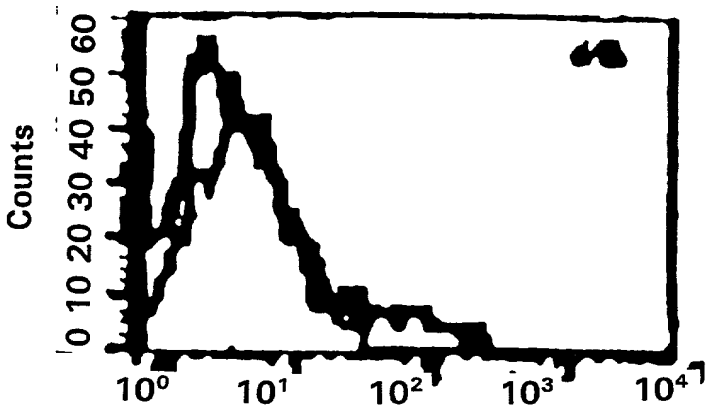


Fig. 23D-4
CD80

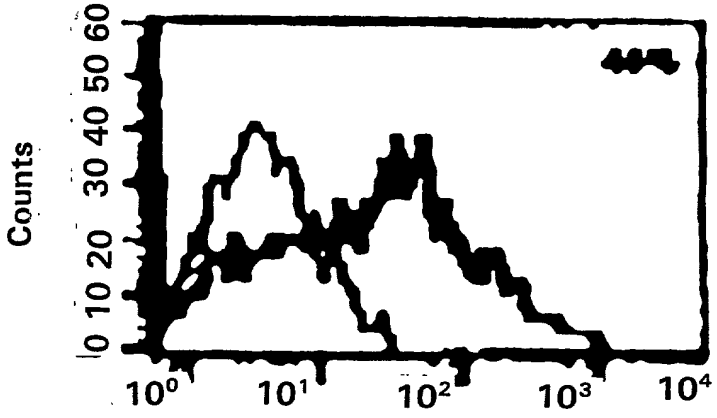


Fig. 23D-5
CD86

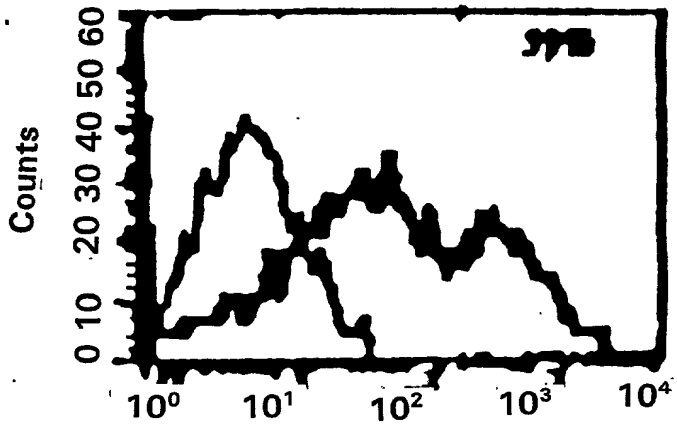


Fig. 23E-1
CD54

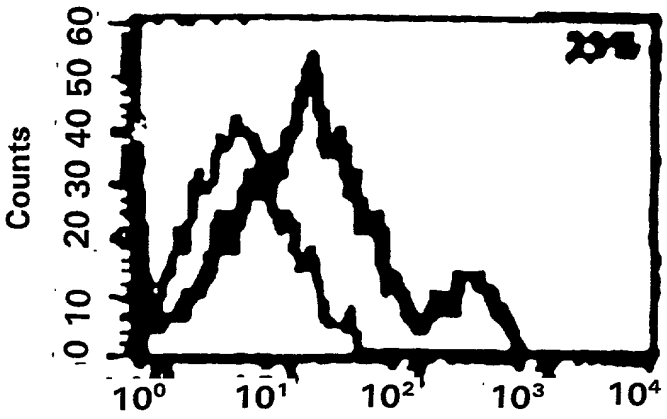


Fig. 23E-2
CD58

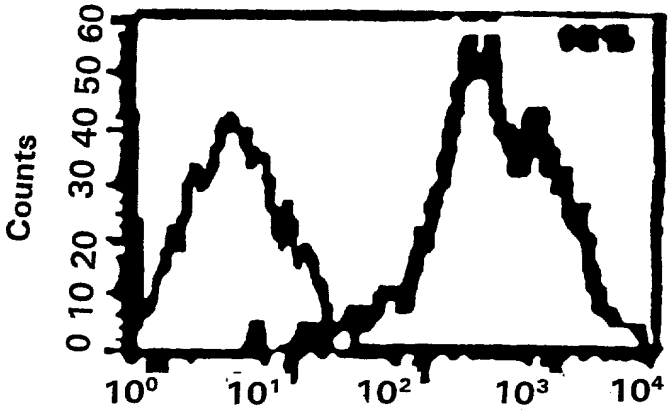


Fig. 23E-3
CD40

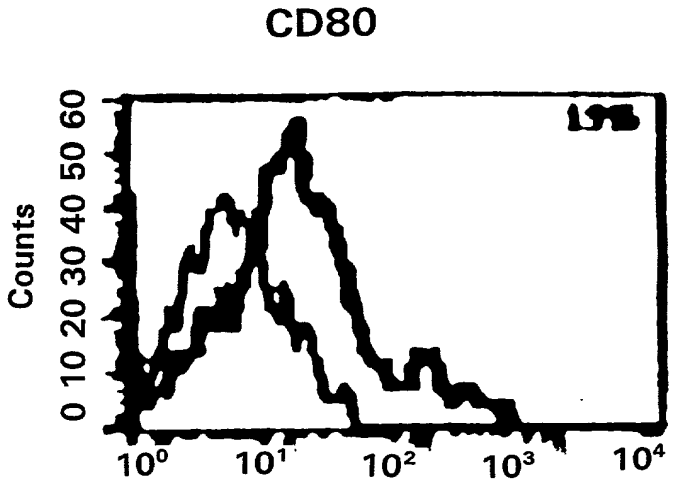


Fig. 23E-4

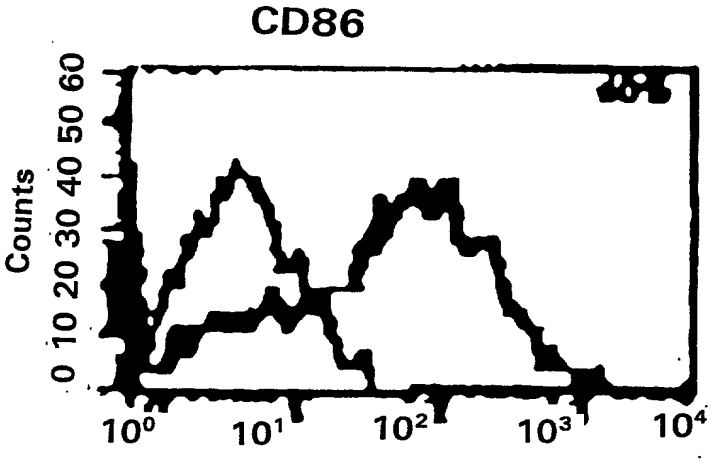


Fig. 23E-5

FIG. 24

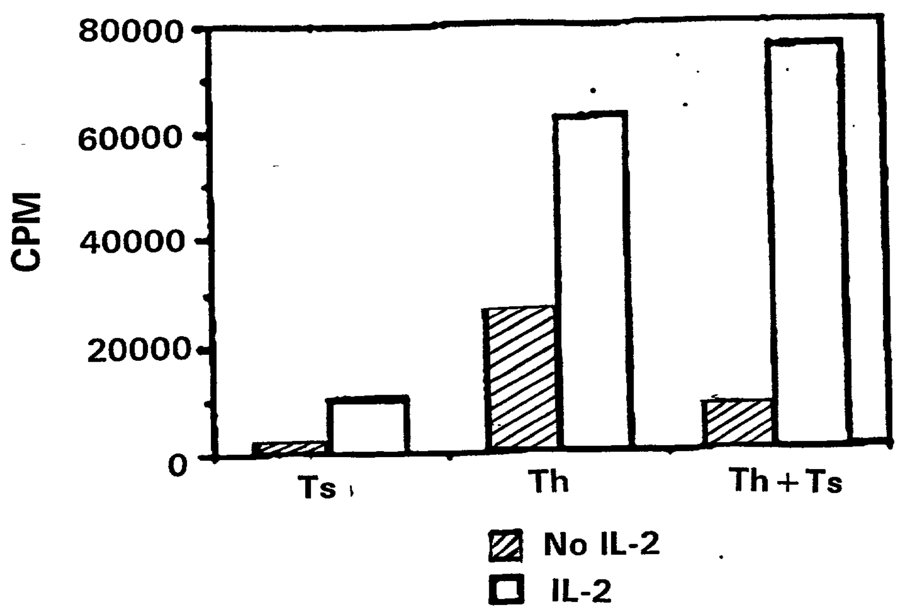


FIG. 25

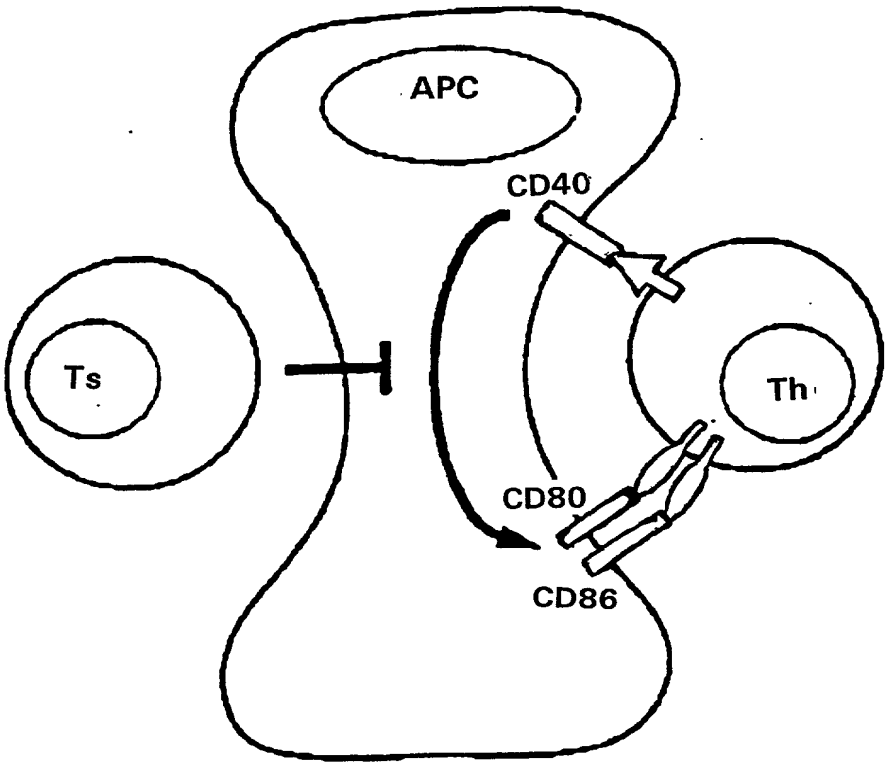


FIG. 26

HLA A, B and DR Antigen Values and Split Equivalences

A Locus	Equivalent	B Locus	Equivalent	DR Locus	Equivalent
1	1	5	5	1	1
2	2	7	7	2	2,15,16
3	3	8	8	3	3,17,18
9	9	12	12	4	4
10	10,66	13	13	5	5,11,12
11	11	14	14,64,65	6	6,13,14
19	19,74	15	15,75,76,77	7	7
23	23	16	16	8	8
24	24	17	17,58	9	9
25	25	18	18	10	10
26	26	21	21	11	11,5
28	28,68,69	22	22,54,55,56	12	12,5
29	29	27	27	13	13,6
30	30	35	35	14	14,6
31	31	37	37	15	15,2
32	32	38	38	16	16,2
33	33	39	39	17	17,3
34	34	40	40,61	18	18,3
36	36	41	41	51	51
43	43	42	42	52	52
66	66,10	44	44	53	53
68	68,28	45	45	* 103	103
69	69,28	46	46	* 1403	1403
74	74,19	47	47	* 1404	1404
80	80	48	48	** 99	99
* 203	203	49	49		
* 210	210	50	50		
* 2403	2403	51	51		
** 99	99	52	52		
		53	53		
		54	54,22		
		55	55,22		
		56	56,22		
		57	57		
		58	58,17		
		59	59		
		60	60		
		61	61,40		
		62	62		
		63	63		
		64	64,14		
		65	65,14		
		67	67		
		70	70,71,72		
		71	71,70		
		72	72,70		
		73	73		
		75	75,15		
		76	76,15		
		77	77,15		
		* 703	703		
		* 3901	3901		
		* 3902	3902		
		* 4005	4005		
		* 5102	5102		
		* 5103	5103		
		* 7801	7801		
		* 8101	8101		
		** 99	99		

** Code 99 means not tested

FIG. 27A

DRB Protein Sequences - 20th March 1998 - SGE Marsh ANRI

```
10        20        30        40        50        60        70        80        90        100
.         .         .         .         .         .         .         .         .         .
DRB1*0101
GDTRPRFLWQLKFECHFFNGTERVRLLERCIYNQEESVRFDSDVGEYRAVTELGRPDAEYWNSQK
DLLEQRRAAVDTYCRHNYGVGESFTVQRRVEPKVTVY
DRB1*01021 ----------------------------------------------------------------AV----------
DRB1*01022 *****----------------------------------------------------------
AV**********
DRB1*0103  ----------------------------------------------I--DE----------
DRB1*0104  ----------------------------------------------------------N-----V----------
DRB1*15011 -------P-R--------F-D-YF----------F----------I--A----------V-----Q---
-
DRB1*15012 *****---P-R--------F-D-YF----------F----------I--A----------V-----
*********
DRB1*15021 -------P-R--------F-D-YF----------F----------I--A----------------Q---
-
DRB1*15022 **********---------F-D-YF----------F----------I--A----------
**********
DRB1*15023 *****---P-R--------F-D-YF----------F----------I--A----------
**********
DRB1*1503  -------P-R--------F-D-HF----------F----------I--A----------V-----Q-
****
DRB1*1504  ******--P-R--------F-D-YF----------F----------F--A----------V----
**********
DRB1*1505  ******--P-R--------F-D-YF----------F----------A----------V-----
*********
DRB1*1506  ********-P-R--------F-D-YF----------F-A----------I--A----------V-
**********
DRB1*16011 -------P-R--------F-D-YF----------------------F--D----------------Q---
-
DRB1*16012 *****---P-R--------F-D-YF----------------------F--D----------
**********
DRB1*16021 -------P-R--------F-D-YF----------------------D----------------Q---
DRB1*16022 ******--P-R--------F-D-YF----------------------D----------
**********
DRB1*1603  -------P-R--------F-D-YF----------------------F--D-A----------------Q---
-
DRB1*1604  ********-P-R--------F-D-YF----------------------F--D--L----------
**********
DRB1*1605  *******--P-R--------F-D-YF----------------------I--D----------
**********
DRB1*1607  *****---P-R--------FPD-YF----------------------I--D----------
**********
DRB1*1608  *****---P-R--------F-D-YF----N----------------F--D----------
********
DRB1*03011 ------EYSTS--------Y-D-YFH---N------F----------K-GR--N-----V----
--H----
DRB1*03012 *****--EYSTS--------Y-D-YFH---N------F----------K-GR--N-----V---
-**********
```

FIG 27B

```
DRB1*03021  -------EYSTS----------F---YFH----N----------------------K-GR--N----------
H-----
DRB1*03022  -------EYSTS----------F---YFH----N----------------------K-GR--N----------
H----**
DRB1*0303   *********YSTS----------F---YFH----N----------------------K-GR--N-------V-----
_********
DRB1*0304   *******-EYSTS----------Y-D-YFH----------F----------------K-GR--N-------V-
***************
DRB1*0305   *****---EYSTS----------Y-D-YFH----N-------F----------------K-GR--N----------
_********
DRB1*0306   ******--EYSTS----------Y-D-YFH----N----------------------K-GR--N-------V-----
-**********
DRB1*0307   -------EYSTS----------F-D-YFH----N-------F----------------K-GR--N-------V-----
-H-----
DRB1*0308   -------EYSTS----------Y-D-YFH----N-------F--------E-------K-GR--N-------V-----
--H-----
DRB1*0309   *******-EYSTS----------Y-D-YFH-R--N-------F----------------K-GR--N----------
__*********
DRB1*0310   -------EYSTS----------Y-D-YFH----N-------F--------A--H-------K-GR--N-------V-----
---H-----
DRB1*0311   *****---EYSTS----------Y-D-YFH----N-------F----------------K-GQ--N-------V-----
__********
DRB1*04011  -------E-V-H----------F-D-YF-H---Y----------------------K----------------Y-
E----
DRB1*04012  *****---E-V-H----------F-D-YF-H---Y----------------------K----------------
********
DRB1*0402   -------E-V-H----------F-D-YF-H---Y----------------------I--DE----------V-------
********
DRB1*0403   -------E-V-H----------F-D-YF-H---Y----------------------E--------V-------Y-
E----
DRB1*0404   -------E-V-H----------F-D-YF-H---Y----------------------------------V-------Y-
E----
DRB1*04051  -------E-V-H----------F-D-YF-H---Y----------S----------------------------
********
DRB1*04052  ******--E-V-H----------F-D-YF-H---Y----------S----------------------------
********
DRB1*0406   -------E-V-H----------F-D-YF-H----------------------------E--------V-------Y-
E----
DRB1*0407   -------E-V-H----------F-D-YF-H---Y----------------------E----------
********
DRB1*0408   ******--E-V-H----------F-D-YF-H---Y----------------------------------
********
DRB1*0409   **********----------F-D-YF-H---Y----------S----------K----------
***************
DRB1*0410   ******--E-V-H----------F-D-YF-H---Y----------S----------------------V---
**********
DRB1*0411   -------E-V-H----------F-D-YF-H---Y----------S----------E--------V-------Y-
E----
DRB1*0412   ******--E-V-H----------F-D-YF-H---Y----------S-------I--D---L--------V-----
*********
DRB1*0413   **********H----------F-D-YF-H---Y----------------------K----------V---
**********
```

FIG. 27C

```
DRB1*0415  *****--E-V-H--------F-D-YF-H--Y----------E------F--D---------V-
**********
DRB1*0416  **********---------F-D-YF-H--Y----------Q--------K---------
**********
DRB1*0417  **********---------F-D-YF-H--Y----------S---------E---------
**********
DRB1*0418  **********---------F-D-YF-H--Y----------I--D--L---------V----
**********
DRB1*0419  **********H--------F-D-YF-H-------------------------------------
**********
DRB1*0420  **********---------F-D-YF-H-------------------------E---------
**********
DRB1*0421  ********E-V-H--------F-D-YF-H-------------------------K---------
**********
DRB1*0422  ********E-V-H--------F-D-YF-H--Y----------K-GR--N------V---
**********
DRB1*0423  *****--E-V-H--------F-D-YF-H--Y-------------------------V-R-----
********
DRB1*0424  *****--E-V-H--------F-D-YF-H--Y----------S---------R-----------
********
DRB1*0425  *******-E-V-H--------F-D-YF-H--Y----------F--D--L---------V-
**********
DRB1*0426  *****--E-V-H--------F-D-YF-H--Y----------T---------K---------
**********
DRB1*0427  *****--E-V-H--------F-D-YF-H--Y----------E---------AV----
**********
DRB1*11011 ------EYSTS--------F-D-YF----Y-------F--------E------F--D-----------
H-----
DRB1*11012 ------EYSTS--------F-D-YF----Y-------F--------E------F--D-----------
H----*
DRB1*11013 *****--EYSTS--------F-D-YF----Y-------F--------E------F--D-----------
********
DRB1*1102  ------EYSTS--------F-D-YF----Y-------F--------E------I--DE---------V-------
H-----
DRB1*1103  ------EYSTS--------F-D-YF----Y-------F--------E------F--DE---------V-------
H-----
DRB1*11041 ------EYSTS--------F-D-YF----Y-------F--------E------F--D---------V-------
********
DRB1*11042 ------EYSTS--------F-D-YF----Y-------F--------E------F--D---------V-------
H-----
DRB1*1105  ****---EYSTG--------F-D-YF----Y-------F--------E------F--D-----------
********
DRB1*1106  *****--EYSTS--------F-D-YF----Y-------F--------E------F--D---------AV----
**********
DRB1*1107  *******-EYSTS--------F-D-YF----Y-------F--------E---------K-GR--N------V---
__********
DRB1*11081 **********S--------F-D-YF----Y-------F--------E---------D-----------
**********
DRB1*11082 **********S--------F-D-YF----Y-------F--------E---------D-----------
**********
DRB1*1109  **********---------F-D-YFH---N-------F--------E------F--D-----------
**********
DRB1*1110  **********---------F-D-YFH---F-------F--------E------F--D---------
**********
```

FIG. 27D

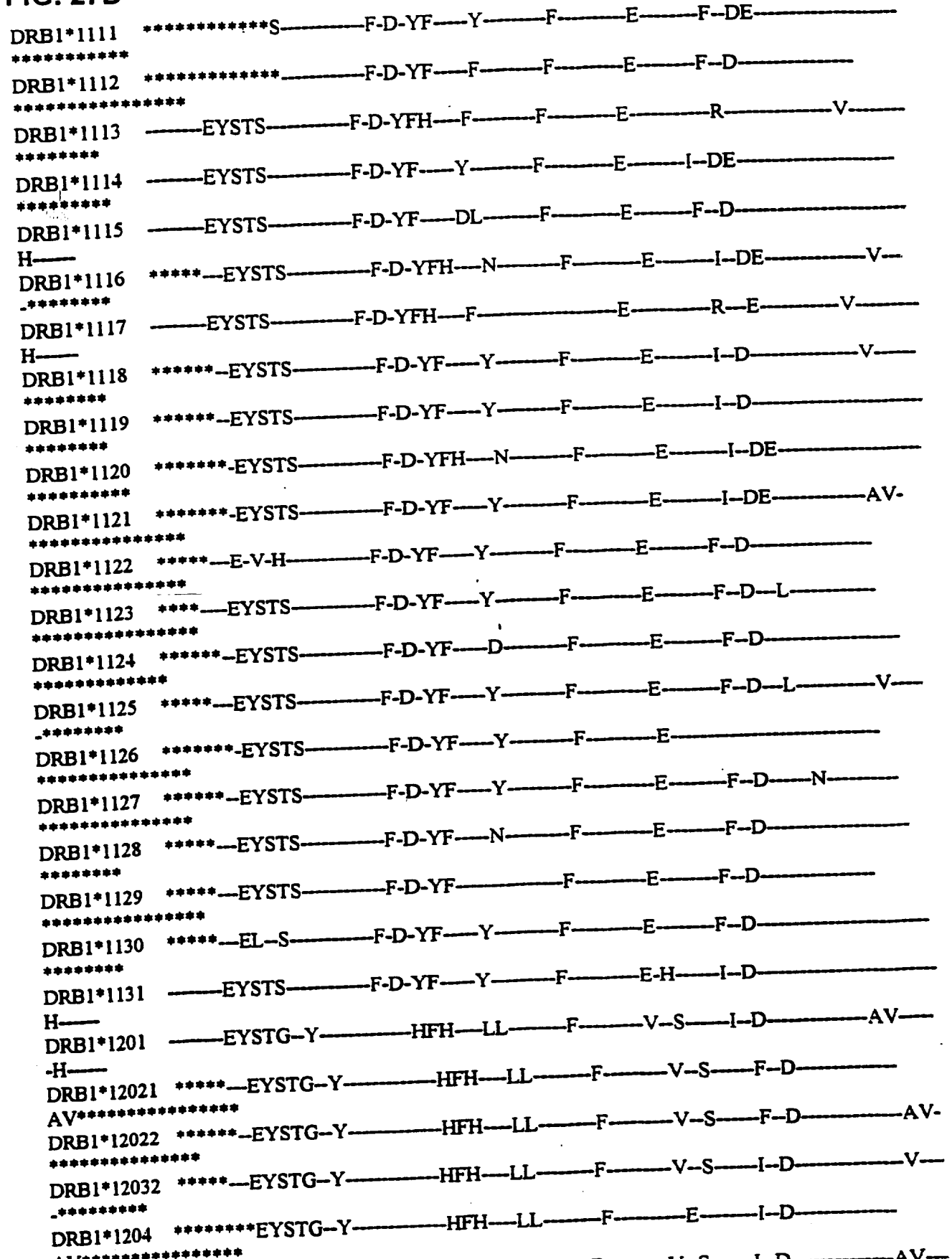

DRB1*1111 **********S----------F-D-YF----Y-------F--------E-------F--DE----------
****
DRB1*1112 **********----------F-D-YF----F-------F--------E-------F--D----------
****
DRB1*1113 ------EYSTS----------F-D-YFH---F-------F--------E--------R----------V------
****
DRB1*1114 ------EYSTS----------F-D-YF----Y-------F--------E-------I--DE----------
****
DRB1*1115 ------EYSTS----------F-D-YF----DL------F--------E-------F--D----------
H-----
DRB1*1116 *****--EYSTS----------F-D-YFH---N-------F--------E-------I--DE----------V---
-********
DRB1*1117 ------EYSTS----------F-D-YFH---F----------E--------R--E--------V-------
H-----
DRB1*1118 ******--EYSTS----------F-D-YF----Y-------F--------E-------I--D----------V-----
****
DRB1*1119 ******--EYSTS----------F-D-YF----Y-------F--------E-------I--D----------
****
DRB1*1120 *******-EYSTS----------F-D-YFH---N-------F--------E-------I--DE----------
****
DRB1*1121 *******-EYSTS----------F-D-YF----Y-------F--------E-------I--DE----------AV-
****
DRB1*1122 *****---E-V-H----------F-D-YF----Y-------F--------E-------F--D----------
****
DRB1*1123 ****----EYSTS----------F-D-YF----Y-------F--------E-------F--D--L----------
****
DRB1*1124 ******--EYSTS----------F-D-YF----D-------F--------E-------F--D----------
****
DRB1*1125 *****---EYSTS----------F-D-YF----Y-------F--------E-------F--D--L----------V---
-********
DRB1*1126 *******-EYSTS----------F-D-YF----Y-------F--------E----------
****
DRB1*1127 ******--EYSTS----------F-D-YF----Y-------F--------E-------F--D-----N----------
****
DRB1*1128 *****---EYSTS----------F-D-YF----N-------F--------E-------F--D----------
****
DRB1*1129 *****---EYSTS----------F-D-YF----------F--------E-------F--D----------
****
DRB1*1130 *****---EL--S----------F-D-YF----Y-------F--------E-------F--D----------
****
DRB1*1131 ------EYSTS----------F-D-YF----Y-------F--------E-H-----I--D----------
H-----
DRB1*1201 ------EYSTG--Y----------HFH---LL------F--------V--S-----I--D----------AV----
-H-----
DRB1*12021 *****---EYSTG--Y----------HFH---LL------F--------V--S-----F--D----------
AV**********
DRB1*12022 ******--EYSTG--Y----------HFH---LL------F--------V--S-----F--D----------AV-
****
DRB1*12032 *****---EYSTG--Y----------HFH---LL------F--------V--S-----I--D----------V---
-*********
DRB1*1204 ********EYSTG--Y----------HFH---LL------F--------E-------I--D----------
AV**********
DRB1*1205 *****---EYSTG--Y----------HFH---FL------F--------V--S-----I--D----------AV---
****

Fig. 27E

DRB1*1301 -------EYSTS----------F-D-YFH---N-------F---------------I--DE----------V------
H-----

DRB1*1302 -------EYSTS----------F-D-YFH---N-------F---------------I--DE-----------------
H-----

DRB1*13031 -------EYSTS----------F-D-YF----Y--------------S--------I--DK----------------
H----*

DRB1*13032 *******-EYSTS----------F-D-YF----Y--------------S--------I--DK----------------
****

DRB1*1304 -------EYSTS----------F-D-YF----Y-------F-------S--------I--DE----------V-------
H----*

DRB1*1305 *****---EYSTS----------F-D-YFH---N-------F---------------F--D-----------------
****

DRB1*1306 ***************----------F-D-YFH---N-------F---------------I--D----------V---
****

DRB1*13071 ******--EYSTS----------F-D-YF----Y---------------------F--D---------------
****

DRB1*1308 ******--EYSTS----------F-D-YFH---F---------------------I--DE----------V----
****

DRB1*1309 ******--EYSTS----------F-D-YFH---N-------F---------------I---A----------V----
****

DRB1*1310 *******-EYSTS----------F-D-YFH---N-------F---------------I--DK----------V-
****

DRB1*1311 *******-EYSTS----------F-D-YF----Y-------F---------------F--D----------V-----
****

DRB1*1312 *****---EYSTS----------F-D-YF----Y--------------S--------I--D----------------
****

DRB1*1313 *****---EYSTS----------F-D-YF----Y--------------S--------I--D---L------------
****

DRB1*1314 ***********TS----------F-D-YF----Y-------F---------------F--D------------
****

DRB1*1315 ******--EYSTS----------F---YFH---N-------F---------------I--DE----------V----
****

DRB1*1316 ********EYSTS----------F-D-YFH---N-------F---------------I--DE----------D----
****

DRB1*1317 -------EYSTG--Y-------F-D-YF----Y-------F---------------I--DE----------V-------
H-----

DRB1*1318 *****---EYSTS----------F-D-YFH---N-------F---------------F--D---L--------V------
.********

DRB1*1319 -------EYSTS----------F---YFH---F---------------------I--DE----------V-------H-
-----

DRB1*1320 *****---EYSTS----------F-D-YFH---N-------F------------------DE----------V------
****

DRB1*1321 -------EYSTS----------F-D-YF----Y-------F-------S--------F--D-----------------H-
-----

DRB1*1322 ****----EYSTS----------F-D-YF----Y-------F---------------I--DE----------V------
****

DRB1*1323 *****---EYSTS----------F-D-YF----Y-------F---------------I--DE----------------
****

DRB1*1324 *****---EYSTS----------F-D-YF----Y-------F---------------F--DE----------V------
****

DRB1*1325 *****---EYSTS----------F-D-YF----Y-------F------------------D------------
****

DRB1*1326 *****---EYSTS----------F---YFH---N---------------------F--D-----------------

Fig. 27F

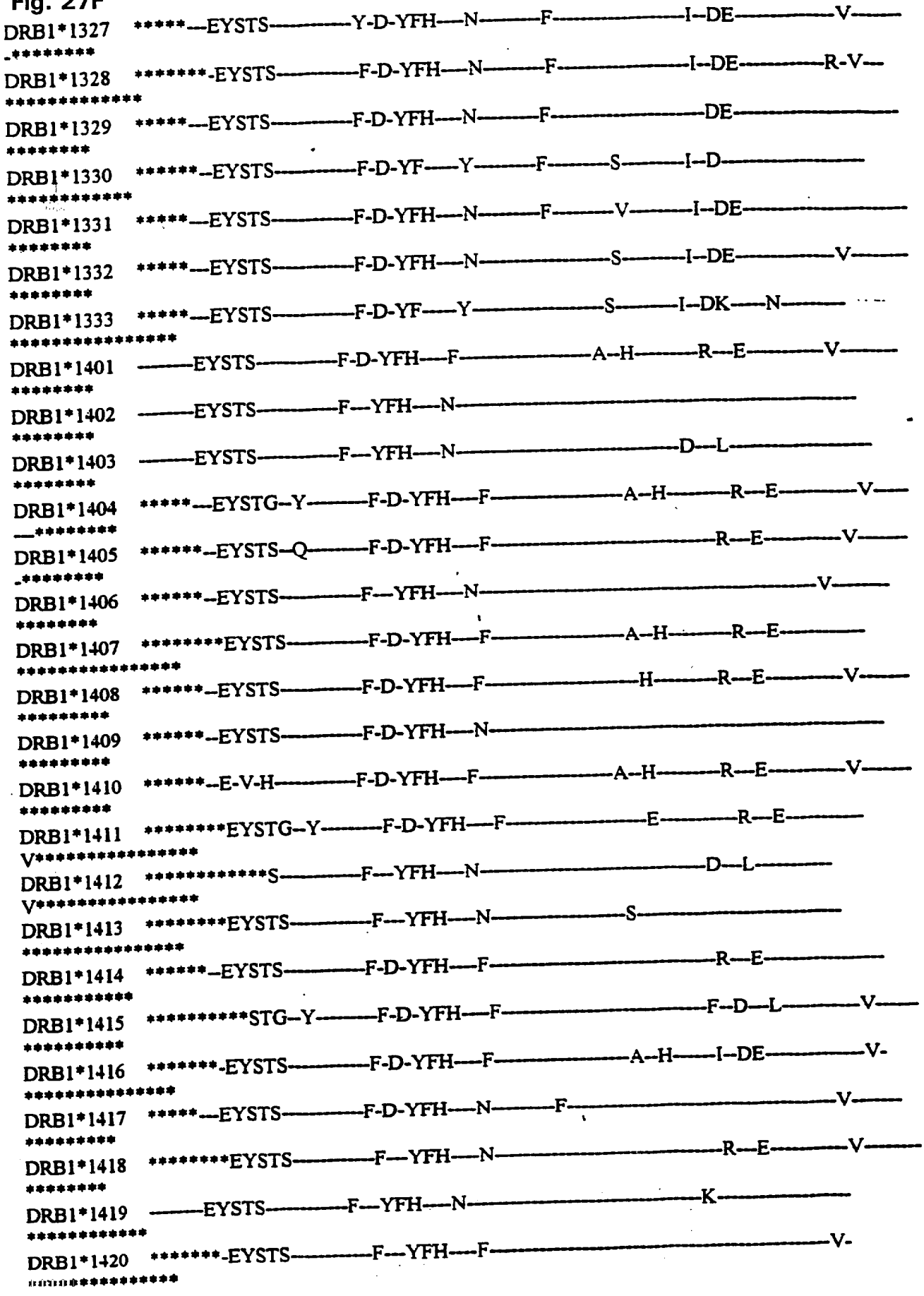

DRB1*1327 *****--EYSTS--------Y-D-YFH---N-------F----------I--DE---------V-----
DRB1*1328 *******-EYSTS--------F-D-YFH---N-------F----------I--DE---------R-V--
DRB1*1329 *****--EYSTS--------F-D-YFH---N-------F----------DE----------
DRB1*1330 ******--EYSTS--------F-D-YF----Y-------F-------S-------I--D----------
DRB1*1331 *****--EYSTS--------F-D-YFH---N-------F-------V-------I--DE----------
DRB1*1332 *****--EYSTS--------F-D-YFH---N----------S-------I--DE---------V-----
DRB1*1333 *****--EYSTS--------F-D-YF----Y----------S-------I--DK----N-------
DRB1*1401 -------EYSTS--------F-D-YFH---F----------A--H-------R---E--------V-----
DRB1*1402 -------EYSTS--------F---YFH---N----------
DRB1*1403 -------EYSTS--------F---YFH---N----------D---L----------
DRB1*1404 *****--EYSTG--Y-------F-D-YFH---F----------A--H-------R---E--------V----
DRB1*1405 ******--EYSTS--Q-------F-D-YFH---F----------R---E--------V-----
DRB1*1406 ******--EYSTS--------F---YFH---N----------V-----
DRB1*1407 ********EYSTS--------F-D-YFH---F----------A--H-------R---E--------
DRB1*1408 ******--EYSTS--------F-D-YFH---F----------H-------R---E--------V-----
DRB1*1409 ******--EYSTS--------F-D-YFH---N----------
DRB1*1410 ******--E-V-H--------F-D-YFH---F----------A--H-------R---E--------V-----
DRB1*1411 ********EYSTG--Y-------F-D-YFH---F----------E--------R---E--------
DRB1*1412 **********S--------F---YFH---N----------D---L--------
DRB1*1413 ********EYSTS--------F---YFH---N----------S----------
DRB1*1414 ******--EYSTS--------F-D-YFH---F----------R---E----------
DRB1*1415 **********STG--Y-------F-D-YFH---F----------F--D---L--------V-----
DRB1*1416 *******-EYSTS--------F-D-YFH---F----------A--H-----I--DE---------V-
DRB1*1417 *****--EYSTS--------F-D-YFH---N-------F----------V-----
DRB1*1418 ********EYSTS--------F---YFH---N----------R---E--------V-----
DRB1*1419 -------EYSTS--------F---YFH---N----------K----------
DRB1*1420 *******-EYSTS--------F---YFH---F----------V-

FIG. 27G

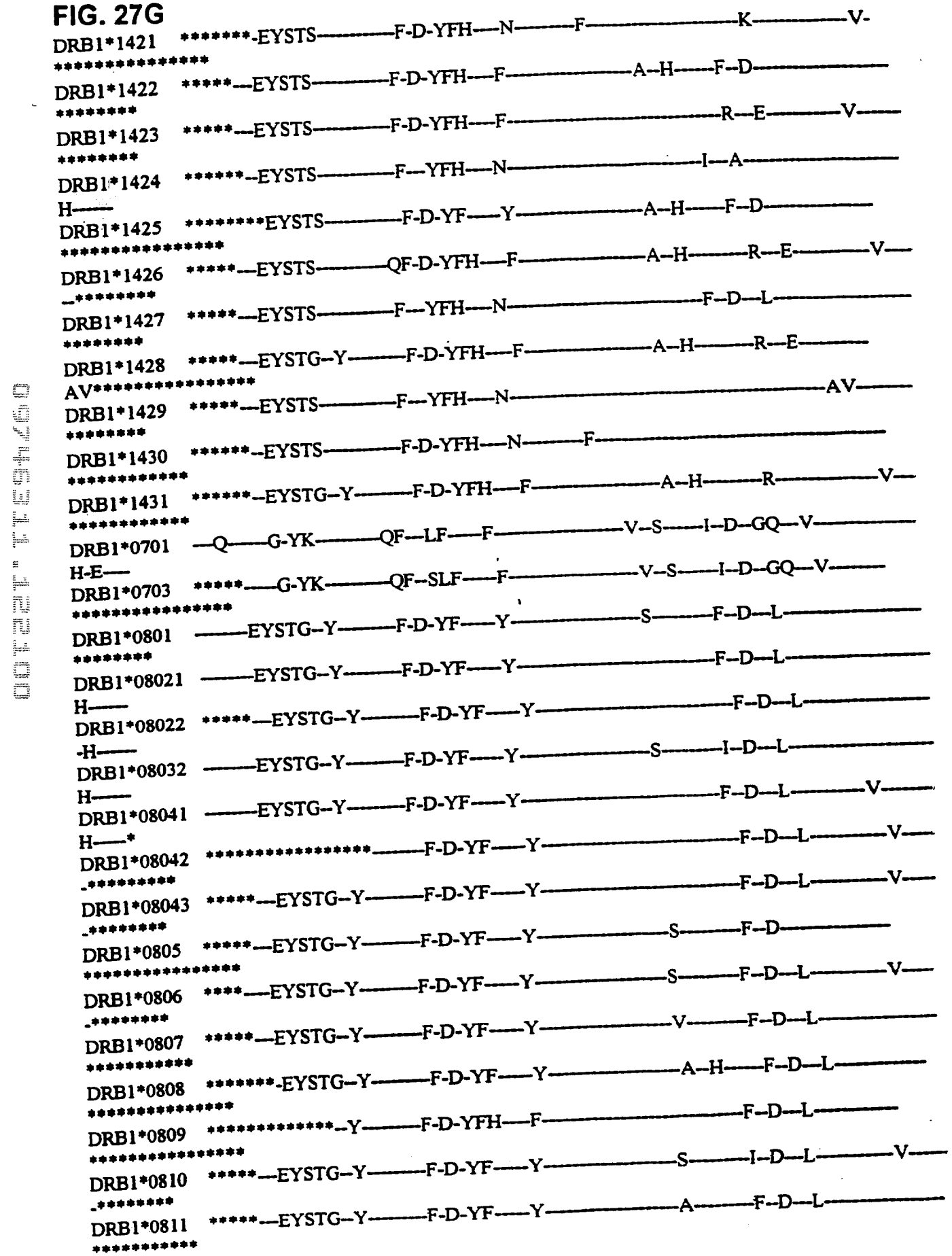

DRB1*1421 *******-EYSTS————F-D-YFH---N————F————————K————V-
****
DRB1*1422 *****--EYSTS————F-D-YFH---F————————A--H-----F--D————————
****
DRB1*1423 *****--EYSTS————F-D-YFH---F————————————R--E————V———
****
DRB1*1424 ******--EYSTS————F--YFH---N————————————I--A————————
H——
DRB1*1425 ********EYSTS————F-D-YF---Y————————A--H-----F--D————————
****
DRB1*1426 *****--EYSTS————QF-D-YFH---F————————A--H————R--E————V—
_*********
DRB1*1427 *****--EYSTS————F--YFH---N————————————F--D--L————————
****
DRB1*1428 *****--EYSTG--Y————F-D-YFH---F————————A--H————R--E————
AV**********
DRB1*1429 *****--EYSTS————F--YFH---N————————————————————AV———
****
DRB1*1430 ******--EYSTS————F-D-YFH---N————F————————————————————
****
DRB1*1431 ******--EYSTG--Y————F-D-YFH---F————————A--H————R————V—
****
DRB1*0701 --Q----G-YK————QF--LF----F————————V--S-----I--D--GQ--V————
H-E—
DRB1*0703 *****----G-YK————QF--SLF----F————————V--S-----I--D--GQ--V———
****
DRB1*0801 ———EYSTG--Y————F-D-YF----Y————————S————F--D--L————————
****
DRB1*08021 ———EYSTG--Y————F-D-YF----Y————————————F--D--L————————
H——
DRB1*08022 *****--EYSTG--Y————F-D-YF----Y————————————F--D--L————————
-H——
DRB1*08032 ———EYSTG--Y————F-D-YF----Y————————S————I--D--L————————
H——
DRB1*08041 ———EYSTG--Y————F-D-YF----Y————————————F--D--L————V———
H——*
DRB1*08042 **********————F-D-YF----Y————————————F--D--L————V—
_*********
DRB1*08043 *****--EYSTG--Y————F-D-YF----Y————————————F--D--L————V—
_********
DRB1*0805 *****--EYSTG--Y————F-D-YF----Y————————S————F--D————————
****
DRB1*0806 ****---EYSTG--Y————F-D-YF----Y————————S————F--D--L————V—
_********
DRB1*0807 *****--EYSTG--Y————F-D-YF----Y————————V————F--D--L————————
****
DRB1*0808 *******-EYSTG--Y————F-D-YF----Y————————A--H-----F--D--L————
****
DRB1*0809 **********--Y————F-D-YFH---F————————————F--D--L————
****
DRB1*0810 *****--EYSTG--Y————F-D-YF----Y————————S————I--D--L————V—
_********
DRB1*0811 *****--EYSTG--Y————F-D-YF----Y————————A————F--D--L————————
****

FIG. 27H

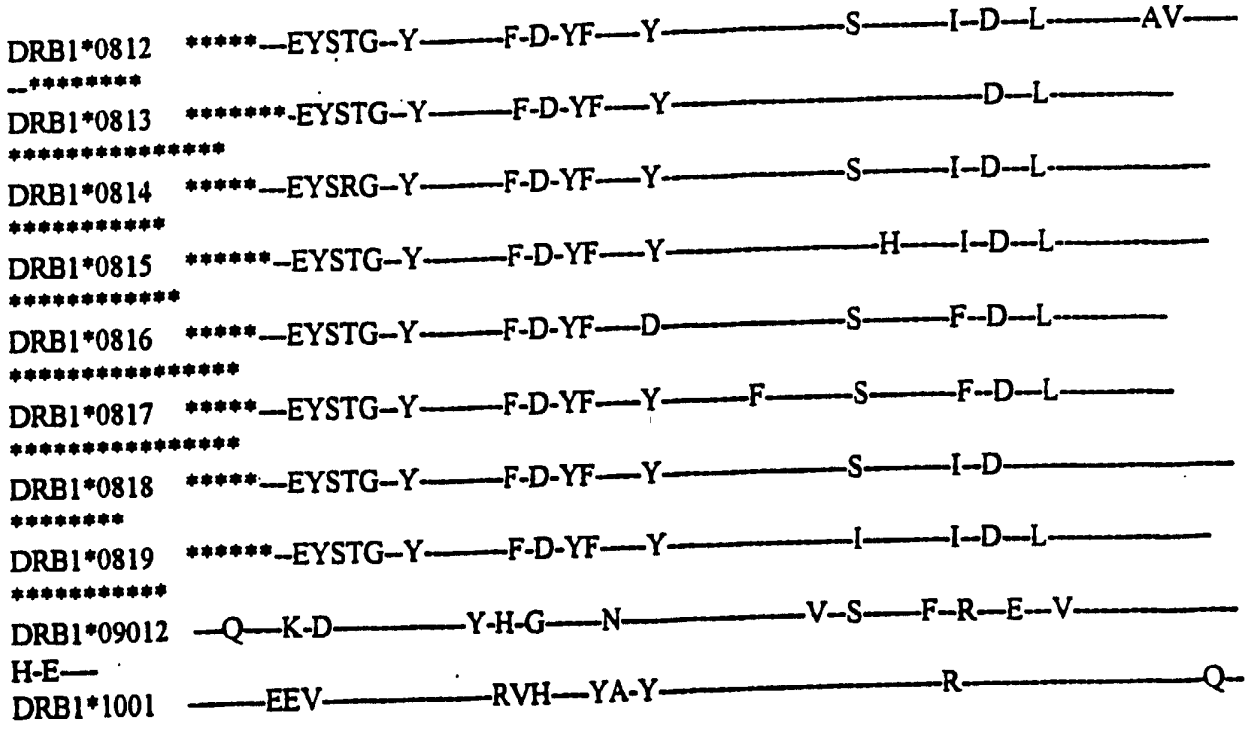

DRB1*0812 *****—EYSTG—Y———F-D-YF—Y————S———I—D—L———AV——
—********
DRB1*0813 *******-EYSTG—Y———F-D-YF—Y————————D—L———
****
DRB1*0814 *****—EYSRG—Y———F-D-YF—Y————S———I—D—L———
****
DRB1*0815 ******—EYSTG—Y———F-D-YF—Y————H——I—D—L———
****
DRB1*0816 *****—EYSTG—Y———F-D-YF—D————S———F—D—L———
****
DRB1*0817 *****—EYSTG—Y———F-D-YF—Y———F———S———F—D—L———
****
DRB1*0818 *****—EYSTG—Y———F-D-YF—Y————S———I—D———
****
DRB1*0819 ******—EYSTG—Y———F-D-YF—Y————I———I—D—L———
****
DRB1*09012 —Q—K-D———Y-H-G—N————V—S—F—R—E—V———
H-E—
DRB1*1001 ———EEV———RVH—YA-Y————————R————Q—
—

FIG. 28

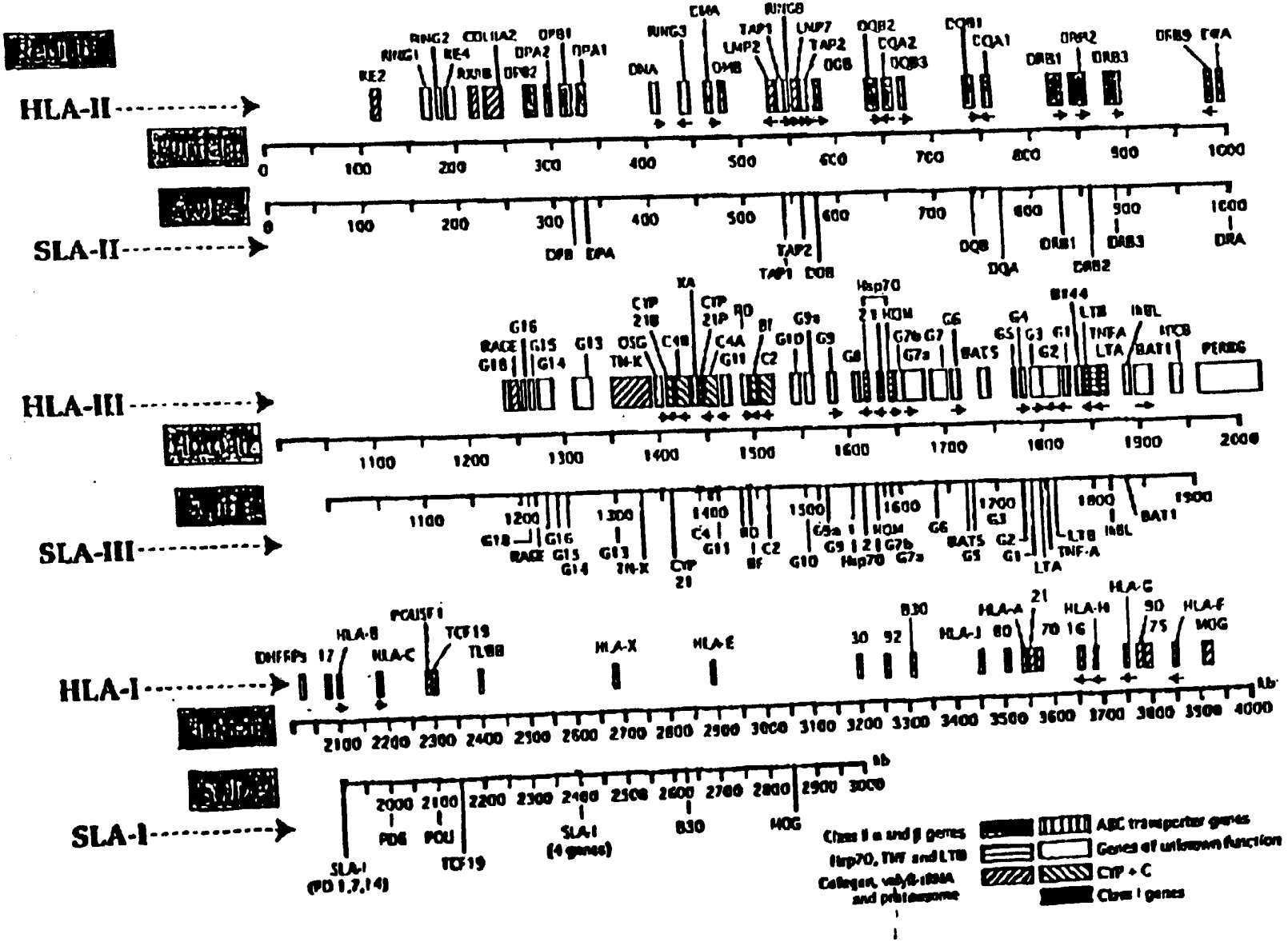

HLA-II
SLA-II
HLA-III
SLA-III
HLA-I
SLA-I
Class II α and β genes
Hsp70, TNF and LTB
Collagen, valyl-tRNA and proteasome
ABC transporter genes
Genes of unknown function
CYP + C
Class I genes

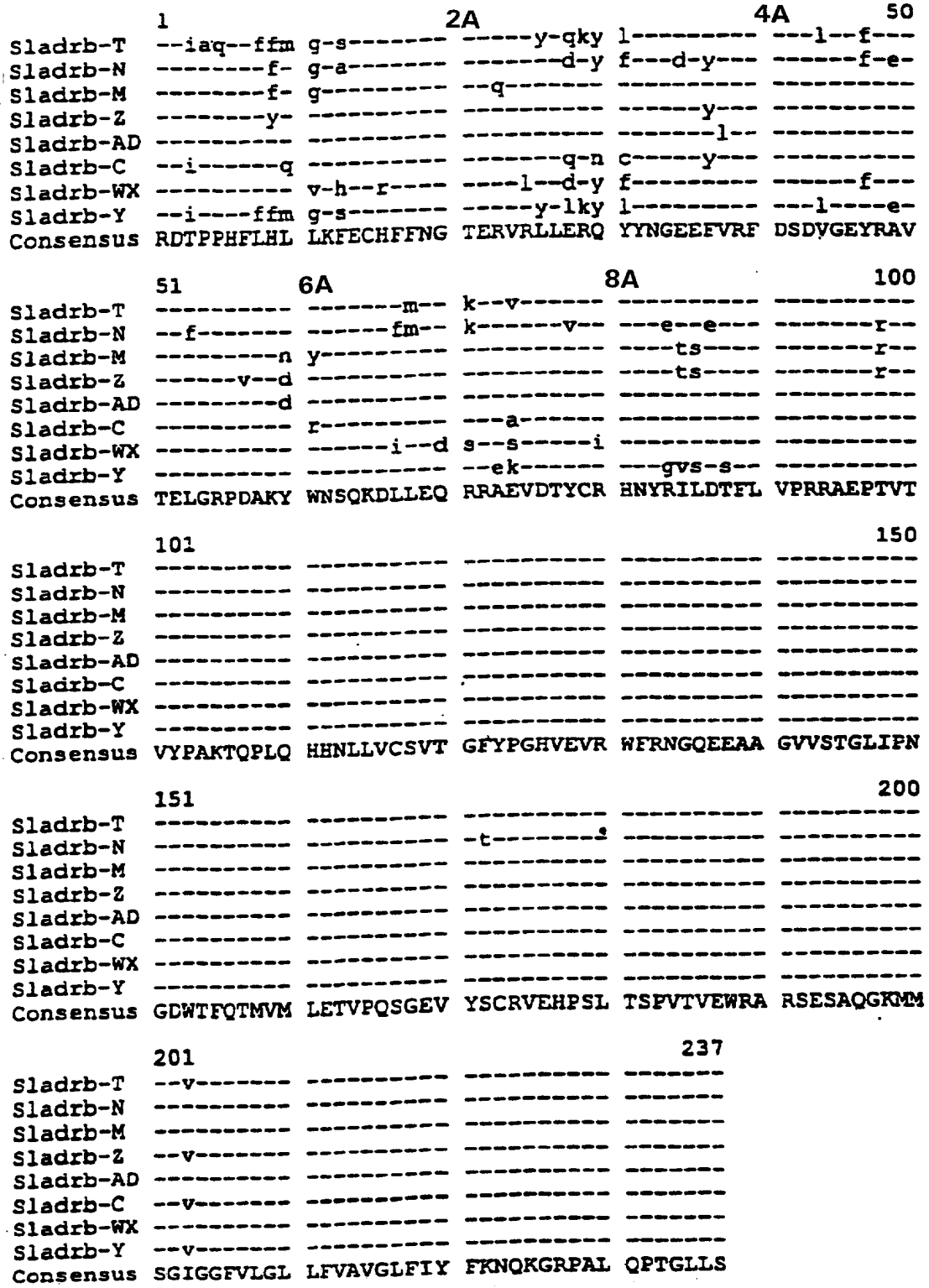
FIG. 29

```
                    1                                                  50
Sladra-0102         ---------- ---------- ---------- ---------- ----------
Sladra-0202         ---------- ---------- ---------- ---------- ----------
Sladra-0203         ---------- ---------- ---------- ---------- ----------
Sladra-0101         ---------- ---------- ---------- ---------- ----------
Sladra-02011        ---------- ---------- ---------- ---------- ----------
Sladra-02012        ---------- ---------- ---------- ---------- ----------
Consensus           VENHVIIQAE FYLSPDKSGE FMFDFDGDEI FHVDMEKRET VWRLEEFGHF

                    51                                                 100
Sladra-0102         ---------- ---------- ---------- ---------- ----------
Sladra-0202         ---------- ---------- -m-------- ---------- ----------
Sladra-0203         ---------- ---------- ---------- ---------- ----------
Sladra-0101         ---------- ---------- ---------- ---------- ----------
Sladra-02011        ---------- ---------- -m-------- ---------- ----------
Sladra-02012        ---------- ---------- -m-------- ---------- ----------
Consensus           ASFEAQGALA NIAVDKANLE ILIKRSNNTP NTNVPPEVTV LSDKPVELGE

                    101                                                150
Sladra-0102         ---------- ---------- ---------- ---------- ----------
Sladra-0202         ---------- ---------- ---------- ---------- ----------
Sladra-0203         ---------- ---------- ---------- ---------- ----------
Sladra-0101         ---------- ---------- ---------- ---------- ----------
Sladra-02011        ---------- ---------- ---------- ---------- ----------
Sladra-02012        ---------- ---------- ---------- ---------- ----------
Consensus           PNILICFIDK FSPPVVNVTW LRNGSPVTRG VSETVFLPRE DHLFRKFHYL

                    151                                                200
Sladra-0102         ---------- ---------- ---------- -r-------- ----------
Sladra-0202         ---------- ---------- ---------- ---------- ----------
Sladra-0203         ---------- ---------- ---------- ---------- ----------
Sladra-0101         ---------- ---------- ---------- ---------- ----------
Sladra-02011        ---------- ---------- ---------- ---------- ----------
Sladra-02012        ---------- ---------- ---------- ---------- ----------
Consensus           PFMPSTEDVY DCQVEHWGLD KPLLKHWEFE AQTPLPETTE NTVCALGLIV

                    201                  228
Sladra-0102         ---------- ---------- --------
Sladra-0202         ---------- ---------- ---h----
Sladra-0203         ---------- ---------- ---h----
Sladra-0101         ---------- ---------- --------
Sladra-02011        ---------- ---------- --------
Sladra-02012        ---------- ---------- --------
Consensus           ALVGIIVGTV LIIKGVRKGN ATERRGPL
```

Group 01 has a leucine at residue 72 and Group 02 has a methionine. No other polymorphisms have been found in the alpha 1 domain.

Amino Acid Sequences of SLA DRA Alleles

FIG. 30



Amino Acid Sequence of SLA-DRB Alleles

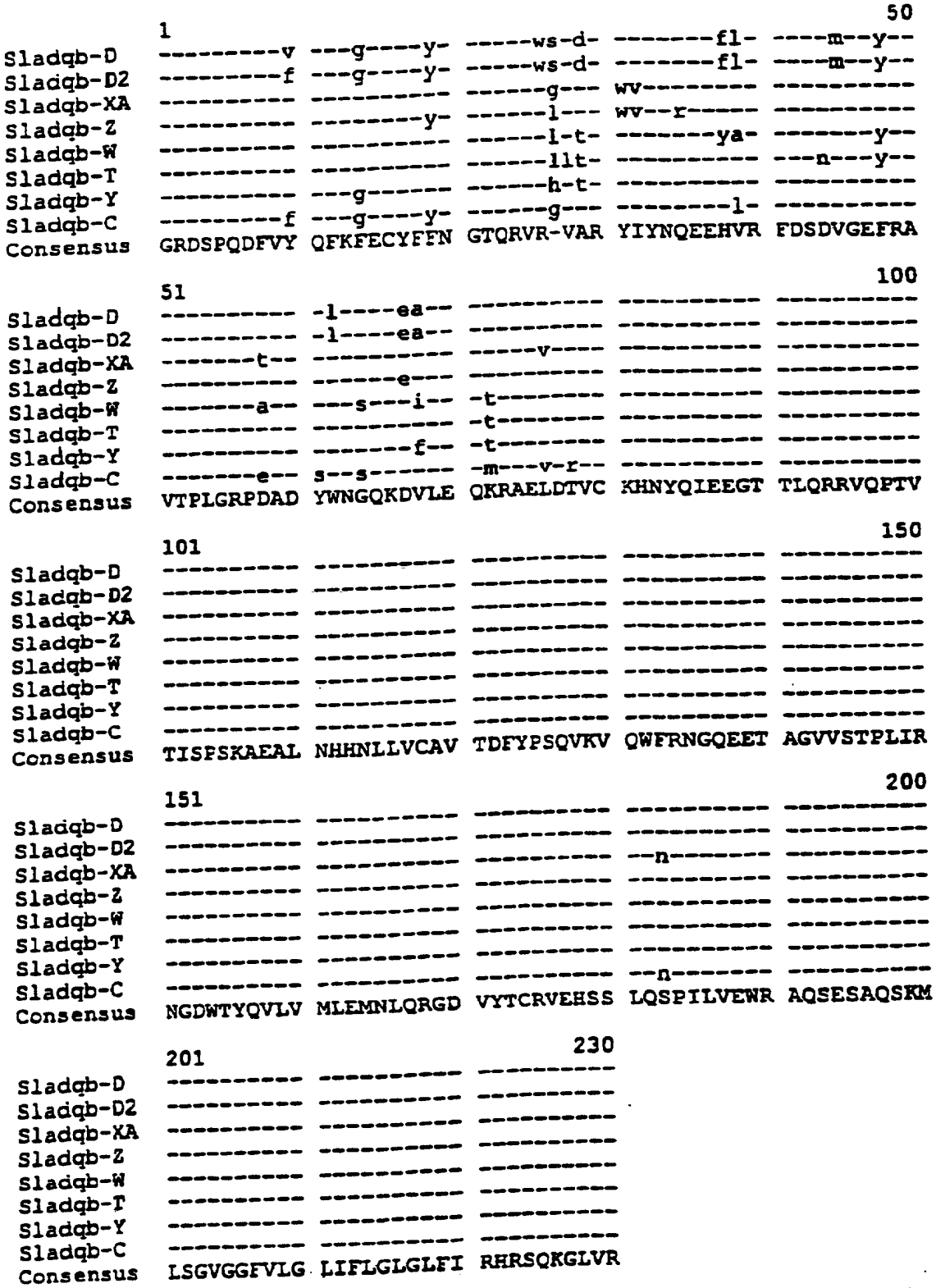
FIG. 31

```
                1                                                        50
Sladqa-02021    ---------- ---------- ---------- ---------g ----------
Sladqa-02022    ---------- ---------- ---------- ---------g ----------
Sladqa-02023    ---------- ---------- ---------- ---------g ----------
Sladqa-0201     ---------- ---------- ---------- ---------- ----------
Sladqa-0101     ---------- ---------- -r-------- ---q------ ------r---
Sladqa-0103     ---------- ---------- -r--f----- ---q------ ------r---
Sladqa-0102     ---------- ---------- ----f----- ---------- ------r---
Consensus       EDIAADHVAS YGLNVYQSYG PSGYYTHEFD GDEEFYVDLE KKETVWQLPL

                51                                                      100
Sladqa-02021    ----r----- ---------- ---------- ---------- ----------
Sladqa-02022    ----r----- ---------- ---------- ---------- ----------
Sladqa-02023    ----r----- ---------- ---------- ---------- ----------
Sladqa--201     ---------- ---------- ---------- ---------- ----------
Sladqa-0101     --e------- --------l- -----vt--- -------k-- -----s----
Sladqa-0103     --e------- --------l- -----vt--- -------k-- -----s----
Sladqa-0102     --e------- --------l- -----vt--- ---------- -----s----
Consensus       FSKFTSFDPQ GALRNIATAK HNLNILIKRS NNTAAVNQVP EVTVFPKSPV

                101                                                     150
Sladqa-02021    ---------- ---------- ---------- ---------- ----------
Sladqa-02022    ---------- ---------- ---------- ---------- ----------
Sladqa-02023    ---------- ---------- ---------- ---------- ----------
Sladqa-0201     ---------- ---------- ---------- -.k------- ----------
Sladqa-0101     i--------- ---s------ ---------- -.k------- ----------
Sladqa-0103     i--------- ---s------ ---------- -.k------- ----------
Sladqa-0102     i--------- ---s------ ---------- ---------- ----------
Consensus       MLGQPNTLIC HVDNIFPPVI NITWLKNGHS VTEGFSETSF LSKNDHSFLK

                151                                                     200
Sladqa-02021    ---------- ---------- ---------- ---------- ----------
Sladqa-02022    ---------- ---------- ---------- ---------- ----------
Sladqa-02023    ---------- ---------- ---------- ---------- ----------
Sladqa-0201     ---------- ---------- ---------- ---------- ----------
Sladqa-0101     ---------- ---------- ---------- ---------- ----------
Sladqa-0103     ---------- ---------- ---------- ---------- ----------
Sladqa-0102     ---------- ---------- ---------- ---------- ----------
Consensus       ISYLTFLPSD DDFYDCKVEH WGLDKPLLKH WEPEIPAPMS ELTETVVCAL

                201                          232
Sladqa-02021    ---------- ---------- ---------- --
Sladqa-02022    ---------- ---------- ---------- --
Sladqa-02023    ---------- ---------- ---------- --
Sladqa-0201     ---------- ---------- ---------- --
Sladqa-0101     ---------- ---------- ---------- --
Sladqa-0103     ---------- ---------- ---------- --
Sladqa-0102     ---------- ---------- l--------- --
Consensus       GLIVGLVGIV VGTVFIIQGL RSGGPSRHQG SL
```

Group 01 is 231 amino acids (deletion at 132) and Group 02 is 232 amino acids

Amino Acid Sequences of SLA-DQA Alleles

FIG. 32



Amino Acid Sequences of SLA-DQB Alleles

Figure 33

Nucleotide and Amino Acid Sequences of ILT3

```
   1 atgatccccaccttcacggctctgctctgcctcgggctgagtctg
     M  I  P  T  F  T  A  L  L  C  L  G  L  S  L
  46 ggccccaggacccacatgcaggcagggcccctccccaaacccacc
     G  P  R  T  H  M  Q  A  G  P  L  P  K  P  T
  91 ctctgggctgagccaggctctgtgatcagctgggggaactctgtg
     L  W  A  E  P  G  S  V  I  S  W  G  N  S  V
 136 accatctggtgtcaggggaccctggaggctcgggagtaccgtctg
     T  I  W  C  Q  G  T  L  E  A  R  E  Y  R  L
 181 gataaagaggaaagcccagcaccctgggacagacagaacccactg
     D  K  E  E  S  P  A  P  W  D  R  Q  N  P  L
 226 gagcccaagaacaaggccagattctccatcccatccatgacagag
     E  P  K  N  K  A  R  F  S  I  P  S  M  T  E
 271 gactatgcagggagataccgctgttactatcgcagccctgtaggc
     D  Y  A  G  R  Y  R  C  Y  Y  R  S  P  V  G
 316 tggtcacagcccagtgacccccctggagctggtgatgacaggagcc
     W  S  Q  P  S  D  P  L  E  L  V  M  T  G  A
 361 tacagtaaacccacccctttcagccctgccgagtcctcttgtgacc
     Y  S  K  P  T  L  S  A  L  P  S  P  L  V  T
 406 tcaggaaagagcgtgaccctgctgtgtcagtcacggagcccaatg
     S  G  K  S  V  T  L  L  C  Q  S  R  S  P  M
 451 gacactttccttctgatcaaggagcgggcagcccatcccctactg
     D  T  F  L  L  I  K  E  R  A  A  H  P  L  L
 496 catctgagatcagagcacggagctcagcagcaccaggctgaattc
     H  L  R  S  E  H  G  A  Q  Q  H  Q  A  E  F
 541 cccatgagtcctgtgacctcagtgcacgggggacctacaggtgc
     P  M  S  P  V  T  S  V  H  G  G  T  Y  R  C
 586 ttcagctcacacggcttctcccactacctgctgtcacaccccagt
     F  S  S  H  G  F  S  H  Y  L  L  S  H  P  S
 631 gacccccctggagctcatagtctcaggatccttggagggtcccagg
     D  P  L  E  L  I  V  S  G  S  L  E  G  P  R
 676 ccctcacccacaaggtccgtctcaacagctgcaggccctgaggac
     P  S  P  T  R  S  V  S  T  A  A  G  P  E  D
 721 cagcccctcatgcctacagggtcagtccccacagtggtctgaga
     Q  P  L  M  P  T  G  S  V  P  H  S  G  L  R
 766 aggcactgggaggtactgatcggggtcttggtggtctccatcctg
     R  H  W  E  V  L  I  G  V  L  V  V  S  I  L
 811 cttctctccctcctcctcttcctcctcctccaacactggcgtcag
     L  L  S  L  L  L  F  L  L  L  Q  H  W  R  Q
 856 ggaaaacacaggacattggcccagagacaggctgatttccaacgt
     G  K  H  R  T  L  A  Q  R  Q  A  D  F  Q  R
 901 cctccaggggctgccgagccagagcccaaggacgggggcctacag
     P  P  G  A  A  E  P  E  P  K  D  G  G  L  Q
 946 aggaggtccagcccagctgctgacgtccagggagaaaacttctgt
     R  R  S  S  P  A  A  D  V  Q  G  E  N  F  C
 991 gctgccgtgaagaacacacagcctgaggacggggtggaaatggac
     A  A  V  K  N  T  Q  P  E  D  G  V  E  M  D
1036 actcggagcccacacgatgaagacccccaggcagtgacgtatgcc
     T  R  S  P  H  D  E  D  P  Q  A  V  T  Y  A
1081 aaggtgaaacactccagacctaggagagaaatggcctctcctccc
     K  V  K  H  S  R  P  R  R  E  M  A  S  P  P
1126 tccccactgtctggggaattcctggacacaaaggacagacaggca
     S  P  L  S  G  E  F  L  D  T  K  D  R  Q  A
1171 gaagaggacagacagatggacactgaggctgctgcatctgaagcc
     E  E  D  R  Q  M  D  T  E  A  A  A  S  E  A
1216 ccccaggatgtgacctacgcccagctgcacagctttaccctcaga
     P  Q  D  V  T  Y  A  Q  L  H  S  F  T  L  R
1261 cagaaggcaactgagcctcctccatcccaggaaggggcctctcca
     Q  K  A  T  E  P  P  P  S  Q  E  G  A  S  P
1306 gctgagcccagtgtctatgccactctggccatccactaa 1344
     A  E  P  S  V  Y  A  T  L  A  I  H  *
```

Figure 34A

Nucleotide and Amino Acid Sequences of ILT4

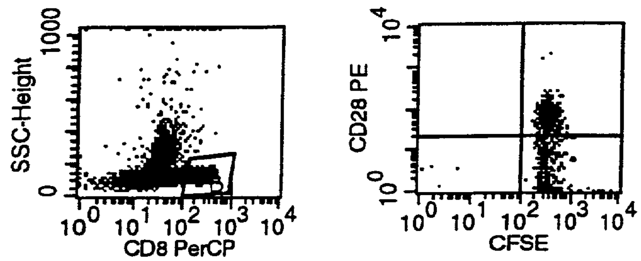
```
   1 atgacccccatcgtcacagtcctgatctgtctcgggctgagtctg
     M  T  P  I  V  T  V  L  I  C  L  G  L  S  L
  46 ggccccaggacccgcgtgcagacagggaccatccccaagcccacc
     G  P  R  T  R  V  Q  T  G  T  I  P  K  P  T
  91 ctgtgggctgagccagactctgtgatcacccaggggagtcccgtc
     L  W  A  E  P  D  S  V  I  T  Q  G  S  P  V
 136 accctcagttgtcaggggagccttgaagcccaggagtaccgtcta
     T  L  S  C  Q  G  S  L  E  A  Q  E  Y  R  L
 181 tatagggagaaaaaatcagcatcttggattacacggatacgacca
     Y  R  E  K  K  S  A  S  W  I  T  R  I  R  P
 226 gagcttgtgaagaacggccagttccacatcccatccatcacctgg
     E  L  V  K  N  G  Q  F  H  I  P  S  I  T  W
 271 gaacacacagggcgatatggctgtcagtattacagccgcgctcgg
     E  H  T  G  R  Y  G  C  Q  Y  Y  S  R  A  R
 316 tggtctgagctcagtgacccccctggtgctggtgatgacaggagcc
     W  S  E  L  S  D  P  L  V  L  V  M  T  G  A
 361 tacccaaaacccaccctctcagcccagcccagccctgtggtgacc
     Y  P  K  P  T  L  S  A  Q  P  S  P  V  V  T
 406 tcaggaggaagggtgaccctccagtgtgagtcacaggtggcattt
     S  G  G  R  V  T  L  Q  C  E  S  Q  V  A  F
 451 ggcggcttcattctgtgtaaggaaggagaagatgaacacccacaa
     G  G  F  I  L  C  K  E  G  E  D  E  H  P  Q
 496 tgcctgaactcccagccccatgcccgtgggtcgtcccgcgccatc
     C  L  N  S  Q  P  H  A  R  G  S  S  R  A  I
 541 ttctccgtgggccccgtgagcccgaatcgcaggtggtcgcacagg
     F  S  V  G  P  V  S  P  N  R  R  W  S  H  R
 586 tgctatggttatgacttgaactctccctatgtgtggtcttcaccc
     C  Y  G  Y  D  L  N  S  P  Y  V  W  S  S  P
 631 agtgatctcctggagctcctggtcccaggtgtttctaagaagcca
     S  D  L  L  E  L  L  V  P  G  V  S  K  K  P
 676 tcactctcagtgcagccgggtcctgtcatggcccctggggaaagc
     S  L  S  V  Q  P  G  P  V  M  A  P  G  E  S
 721 ctgaccctccagtgtgtctctgatgtcggctatgacagatttgtt
     L  T  L  Q  C  V  S  D  V  G  Y  D  R  F  V
 766 ctgtacaaggagggggaacgtgaccttcgccagctccctggccgg
     L  Y  K  E  G  E  R  D  L  R  Q  L  P  G  R
 811 cagccccaggctgggctctcccaggccaacttcaccctgggccct
     Q  P  Q  A  G  L  S  Q  A  N  F  T  L  G  P
 856 gtgagccgctcctacgggggccagtacagatgctacggtgcacac
     V  S  R  S  Y  G  G  Q  Y  R  C  Y  G  A  H
 901 aacctctcctctgagtgctcggcccccagcgacccccctggacatc
     N  L  S  S  E  C  S  A  P  S  D  P  L  D  I
 946 ctgatcacaggacagatccgtggcacacccttcatctcagtgcag
     L  I  T  G  Q  I  R  G  T  P  F  I  S  V  Q
 991 ccaggccccacagtggcctcaggagagaacgtgaccctgctgtgt
     P  G  P  T  V  A  S  G  E  N  V  T  L  L  C
1036 cagtcatggcggcagttccacactttccttctgaccaaggcggga
     Q  S  W  R  Q  F  H  T  F  L  L  T  K  A  G
1081 gcagctgatgccccactccgtctaagatcaatacacgaatatcct
     A  A  D  A  P  L  R  L  R  S  I  H  E  Y  P
1126 aagtaccaggctgaattccccatgagtcctgtgacctcagcccac
     K  Y  Q  A  E  F  P  M  S  P  V  T  S  A  H
1171 gcggggacctacaggtgctacggctcactcaactccgacccctac
     A  G  T  Y  R  C  Y  G  S  L  N  S  D  P  Y
```

Figure 34B

```
1216 ctgctgtctcaccccagtgagcccctggagctcgtggtctcagga
     L  L  S  H  P  S  E  P  L  E  L  V  V  S  G
1261 ccctccatgggttccagccccccacccaccggtcccatctccaca
     P  S  M  G  S  S  P  P  P  T  G  P  I  S  T
1306 cctggccctgaggaccagcccctcacccccactgggtcggatccc
     P  G  P  E  D  Q  P  L  T  P  T  G  S  D  P
1351 caaagtggtctgggaaggcacctgggggttgtgatcggcatcttg
     Q  S  G  L  G  R  H  L  G  V  V  I  G  I  L
1396 gtggccgtcgtcctactgctcctcctcctcctcctcttcctc
     V  A  V  V  L  L  L  L  L  L  L  L  F  L
1441 atcctccgacatcgacgtcagggcaaacactggacatcgacccag
     I  L  R  H  R  R  Q  G  K  H  W  T  S  T  Q
1486 agaaaggctgatttccaacatcctgcaggggctgtggggccagag
     R  K  A  D  F  Q  H  P  A  G  A  V  G  P  E
1531 cccacagacagaggcctgcagtggaggtccagcccagctgccgac
     P  T  D  R  G  L  Q  W  R  S  S  P  A  A  D
1576 gcccaggaagaaaacctctatgctgccgtgaaggacacacagcct
     A  Q  E  E  N  L  Y  A  A  V  K  D  T  Q  P
1621 gaagatggggtggagatggacactcgggctgctgcatctgaagcc
     E  D  G  V  E  M  D  T  R  A  A  A  S  E  A
1666 ccccaggatgtgacctacgcccagctgcacagcttgaccctcaga
     P  Q  D  V  T  Y  A  Q  L  H  S  L  T  L  R
1711 cggaaggcaactgagcctcctccatcccaggaaagggaacctcca
     R  K  A  T  E  P  P  P  S  Q  E  R  E  P  P
1756 gctgagcccagcatctacgccaccctggccatccactag 1794
     A  E  P  S  I  Y  A  T  L  A  I  H  *
```

Figure 35

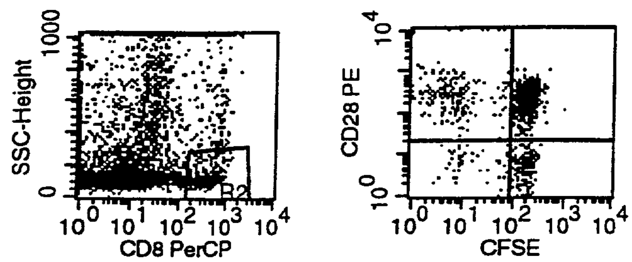
DAY 0



Gate: G1

Quad	Events	% Gated	X Mean
UL	0	0.00	***
UR	439	56.79	350.95
LL	4	0.52	2.80
LR	330	42.69	482.99

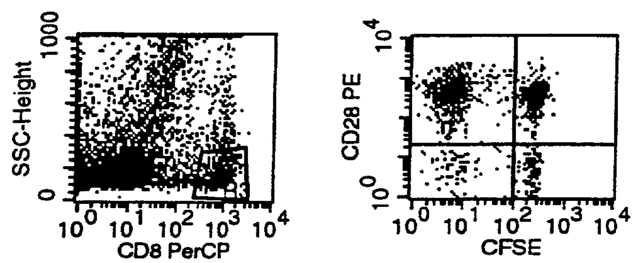
DAY 5



Gate: G2

Quad	Events	% Gated	X Mean
UL	214	13.70	14.01
UR	1134	72.60	202.84
LL	45	2.88	26.18
LR	169	10.82	190.79

DAY 7

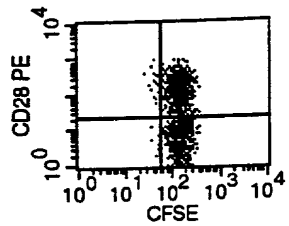


Gate: G3

Quad	Events	% Gated	X Mean
UL	2290	38.33	9.23
UR	2973	49.77	273.42
LL	261	4.37	12.50
LR	450	7.53	242.13

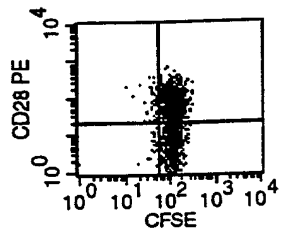
Figure 36

0 HR



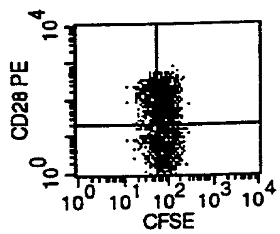
Quad	Events	% Gated	X Mean
UL	18	1.36	40.96
UR	737	55.62	143.24
LL	10	0.75	47.01
LR	560	42.26	151.29

48 HR
+APC



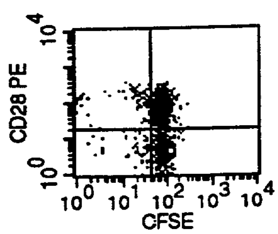
Quad	Events	% Gated	X Mean
UL	53	2.86	42.38
UR	1212	65.48	122.49
LL	23	1.24	41.38
LR	563	30.42	121.41

48 HR
+APC+IL2



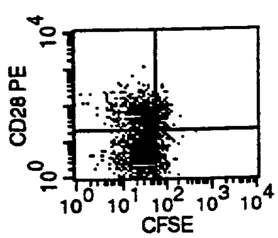
Quad	Events	% Gated	X Mean
UL	645	19.00	39.93
UR	1382	40.72	95.07
LL	311	9.16	40.05
LR	1056	31.11	101.61

72 HR
+APC



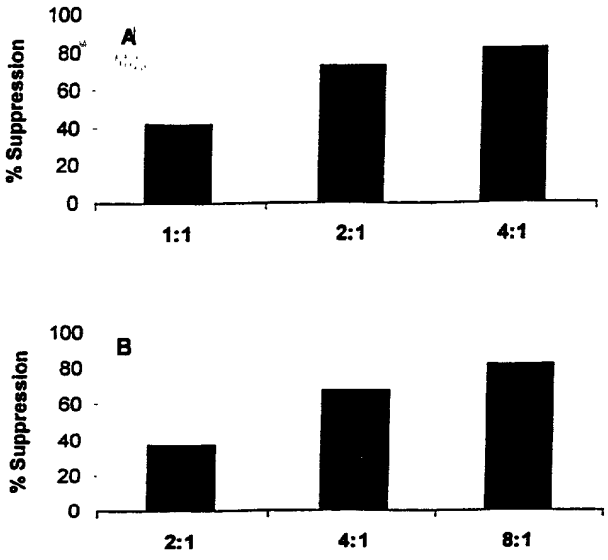
Quad	Events	% Gated	X Mean
UL	114	9.19	27.62
UR	711	57.34	78.27
LL	57	4.60	24.32
LR	358	28.87	83.25

72 HR
+APC+IL2



Quad	Events	% Gated	X Mean
UL	2911	30.97	28.62
UR	717	7.63	76.38
LL	4965	52.83	29.50
LR	805	8.57	74.95

Figure 37


A
% Suppression
100
80
60
40
20
0
1:1
2:1
4:1
B
% Suppression
100
80
60
40
20
0
2:1
4:1
8:1